

## DATA SUMMARY PACKAGE CHECKLIST

SDG #: 08120164	Sample IDs: AL20796-815	Date: Jan 8, 2009
Analytical Method: EPA SW 846 8082	Number of Samples: 20	Matrix: Soil/Plainwell TCRA 12/10-11/08

Present	Package Attestation Documentation
Present	Package Narrative
Present-	Field Chain-of-Custody Record
GC sheet 8082- Re-extracted sample AL20797 exceeded extraction holding time by two days—see qualification explanation for holding times.	GC Extraction Log
Present	Compound Identification (FORM I)
Present	Compound Quantitation
Present-Two performed in control.	Laboratory Control Spike Summary
Present- Both surrogates were flagged as diluted out in 3 samples and the MS/MSD in this batch due to high PCB concentrations in the samples or added to the samples.	Surrogate Recovery Summary
Present- One MS/MSD was analyzed with this batch and the recoveries were within QC limits. The RPD was 20.7% and the control limit for MS/MSD RPDs is 20% so it was slightly out of control. The surrogates were flagged as diluted for the MS and MSD due to the high concentration of PCB added to the samples. The surrogate recoveries were within the QC limits but due to dilution the concentrations were below the calibration limits. No qualification is necessary.	MS/MSD Summary
Present-NA	Duplicate Summary
Present-NA	Standards Summary Tables (FORM VII)
Present-Form 6F-1	Initial Instrument Calibration (FORM VI)
Present- Form 7E-1 and 7E-2	Continuing Calibration Check Standard Summary
Present-NA	Check Standards
Present- one performed in control-all Aroclors < PQL	Laboratory Blanks/Method Blank
Present	Sample Chromatograms
Present	QC Raw Data
Present	Sample GC Injection Log

Comments: In all samples when detected, Aroclors 1242, 1254 and 1260 were flagged to denote an altered chromatographic pattern and were reported as best Aroclor matches. Sample AL20797 was re-extracted due to low surrogate recovery and the re-extraction was two days out of holding time. Both surrogates were flagged as diluted out for samples AL20797RE, 811, 814 and the MS/MSD (AL20805M, K) due to high concentrations of PCB in or added to the samples. No qualification necessary. The field duplicate and sample both had no Aroclors detected above the PQL indicating good agreement between the two.

REVIEWER 

DATE: 1/19/09

DATA SUMMARY PACKAGE FOR

CAMP DRESSER & MCKEE  
1 WOODWARD AVENUE  
DETROIT, MICHIGAN 48226

ANALYTICAL METHOD:

SW-846 METHOD 8082 (PCB)

DATE: January 8, 2009-C

LRF: 08120164

PROVIDED BY : NORTHEAST ANALYTICAL, INC.  
2190 TECHNOLOGY DRIVE  
SCHENECTADY, NEW YORK 12308  
518-346-4592

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# Attestations

Attestations:

The following have been directly involved in the preparation of the sample data contained herein and in the preparation of the associated data summary report.

SAMPLE CUSTODIAN: Adam Moore

SAMPLE PREPARATION CHEMIST: Carrie Barss

GC ANALYST: Anthony Maiello

QA/QC OFFICER: Christina Braidwood

LAB DIRECTOR: Robert E. Wagner

# Case Narrative

January 12, 2009

### CASE NARRATIVE

This data summary package is comprised of sediment and soil samples received for analysis on December 18, 2008 (Assigned Sample Delivery Group: 08120164). The samples are from Project Name: Plainwell Dam #2 Investigation. The samples were collected by Camp, Dresser & McKee (CDM) on December 10 & 11, 2008. Samples were delivered to Northeast Analytical, Inc. (NEA) by FedEx courier service. All samples were received at the laboratory intact and within holding times.

This sample delivery group consists of the following samples:

<u>NEA Sample ID:</u>	<u>Client Sample ID:</u>
AL20796	P2SD-12B-01
AL20797	P2SL-13A-01
AL20798	P2SL-14A-01
AL20799	P2SD-15A-01
AL20800	P2SD-15B-01
AL20801	P2SD-15C-01
AL20802	P2SD-16A-01
AL20803	P2SD-17A-01
AL20804	P2SD-17A-03
AL20805	P2SL-18A-01
AL20806	P2SL-18B-01
AL20807	P2SD-19A-01
AL20808	P2SD-20A-01
AL20809	P2SD-21A-01
AL20810	P2SD-22A-01
AL20811	P2SL-23A-01
AL20812	P2SL-23B-01
AL20813	P2SL-23C-01
AL20814	P2SL-24A-01
AL20815	P2SL-25A-01

### PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by EPA Method 8082 single column GC analysis. The Accelerated Solvent Extraction Method (EPA Method 3545) was employed for the sediment and soil samples. The following technical and administrative items were noted for the analysis:

1. The concentration results for Aroclor 1242 was flagged to denote that an altered Aroclor pattern was observed for several samples. Please see Form 1 for details.
2. The concentration results for Aroclor 1254 was flagged to denote that an altered Aroclor pattern was observed for several samples. Please see Form 1 for details.
3. The concentration results for Aroclor 1260 was flagged to denote that an altered Aroclor pattern was observed for several samples. Please see Form 1 for details.
4. The percent recoveries for the TCMX and DCBP surrogates were diluted out for the Matrix Spike and the Matrix Spike Duplicate samples (NEA ID: AL20805M and AL20805K) due to the high PCB concentration in the samples. Please see Form 2 for details.

5. The percent recovery for the TCMX and DCBP surrogates was diluted out for several samples (NEA ID: AL20797RE1, AL20811, and AL20814) due to the high PCB concentration in the samples. Please see Form 2 for details.
6. The sample P2SL-13A-01 (NEA ID: AL20797) was re-extracted/analyzed due to low surrogate recovery. The sample is included in this data package with a suffix of RE1 added to the file ID. Please see Form 1 for details. The re-extraction exceeded the extraction hold time by two days.
7. The relative percent difference for the Matrix Spike and the Matrix Spike Duplicate (NEA ID: AL20805M, AL20805K) samples was above quality acceptance limits. Please see form 3 for details.

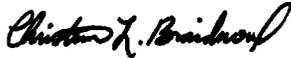
Form -1 Qualifier Summary PCB Analysis:

J-Denotes concentration result greater than the MDL but less than the PQL

B-Denotes analyte observed in associated method blank at a concentration exceeding the PQL

U-Denotes analyte not observed at a concentration greater than the PQL

Respectfully submitted,



Christina L. Braidwood  
Quality Assurance Officer

S:\LabData\DataPackages\CASEN\CASEN2008\08120164A.doc

# Sample Chain Of Custody

CHAIN OF CUSTODY RECORD

PAGE 3 OF 8

**NORTHEAST ANALYTICAL, INC.**  
 2190 Technology Drive, Schenectady, NY 12308  
 Telephone (518) 346-4592 Fax (518) 381-6055  
 www.nealab.com information@nealab.com

LRF # <08120164P1>  
  
 081201641

**DISPOSAL REQUIREMENTS: (To be filled in by Client)**

RETURN TO CLIENT  
 DISPOSAL BY NORTHEAST ANALYTICAL  
 ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO):		PROJECT#PROJECT NAME:		ENTER ANALYSIS AND METHOD NUMBER REQUESTED																
PROJECT MANAGER:		PROJECT LOCATION (CITY/STATE) ADDRESS:		PRESERVATIVE CODE:	<u>0</u>							PRESERVATIVE KEY								
PHONE:		<u>Sups!</u>		BOTTLE TYPE:	<u>60ml</u>							0 - NONE								
SAMPLED BY: (Please Print)		REQUIRED TURN AROUND TIME:		BOTTLE SIZE:	<u>14</u>							1 - HCL								
SAMPLING FIRM:		NAME OF CARRIER (IF USED):		NUMBER OF CONTAINERS	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	2 - HNO3								
Data Report: <input type="checkbox"/> CLP <input type="checkbox"/> Certificates Only																				3 - H2SO4
ELECTRONIC RESULTS FORMAT: <input type="checkbox"/> PDF <input type="checkbox"/> EXCEL (.CSV)		E-MAIL ADDRESS:																		4 - NaOH
FAXED RESULTS <input type="checkbox"/>		FAX #:										LAB SAMPLE ID (NEA USE ONLY)								5 - Zn. Acetate
SAMPLE ID	DATE	TIME	MATRIX									GRAB/COMP								6 - MeOH
<u>P2SD-12B-01</u>	<u>12/13/08</u>	<u>1330</u>	<u>Solids</u>									<u>Good</u>	<u>AL20796</u>	<u>1</u>	<u>X</u>					7 - NaHSO4
<u>P2SL-13A-01</u>		<u>1335</u>	<u>Soil</u>									<u>Good</u>	<u>AL20797</u>	<u>1</u>	<u>X</u>					8 - Other
<u>P2SL-14A-01</u>		<u>1350</u>	<u>1</u>										<u>AL20798</u>	<u>1</u>	<u>X</u>					
<u>P2SD-15A-01</u>		<u>1355</u>	<u>Solids</u>										<u>AL20799</u>	<u>1</u>	<u>X</u>					
<u>P2SD-15B-01</u>		<u>1355</u>											<u>AL20800</u>	<u>1</u>	<u>X</u>					
<u>P2SD-15C-01</u>		<u>1355</u>			<u>AL20801</u>	<u>1</u>	<u>X</u>													
<u>P2SD-16A-01</u>		<u>1420</u>			<u>AL20802</u>	<u>1</u>	<u>X</u>													
<u>P2SD-17A-01</u>		<u>1425</u>			<u>AL20803</u>	<u>1</u>	<u>X</u>													
<u>P2SD-17A-03</u>		<u>1425</u>			<u>AL20804</u>	<u>1</u>	<u>X</u>													
<u>P2SL-18A-01</u>		<u>1440</u>	<u>Soil</u>		<u>AL20805</u>	<u>2</u>	<u>X</u>													
AMBIENT OR CHILLED: <u>Y</u>		TEMP: <u>5.0, 5.4</u>		COC TAPE: <u>Y</u> N		PROPERLY PRESERVED: <u>Y</u> N		OTHER NOTES: <u>MS/uro on 14 (8a)</u>												
RECEIVED BROKEN OR LEAKING: <u>Y</u> N		COC DISCREPANCIES: <u>Y</u> N		RECVD W/ HOLDING TIMES: <u>Y</u> N																
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY										
SIGNATURE <u>[Signature]</u>		SIGNATURE <u>[Signature]</u>		SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE										
PRINTED NAME <u>[Name]</u>		PRINTED NAME <u>A. MOORE</u>		PRINTED NAME		PRINTED NAME		PRINTED NAME		PRINTED NAME										
COMPANY <u>CON</u>		COMPANY <u>NEA</u>		COMPANY		COMPANY		COMPANY		COMPANY										
DATE/TIME <u>12/13/08 190</u>		DATE/TIME <u>12/18/08 1001</u>		DATE/TIME		DATE/TIME		DATE/TIME		DATE/TIME										

\* CLP LIKE DATA PACKAGE ADDITIONAL COST

CHAIN OF CUSTODY RECORD

PAGE 4 OF 8

**NORTHEAST ANALYTICAL, INC.**  
 2190 Technology Drive, Schenectady, NY 12308  
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LRF # <08120164P2>



DISPOSAL REQUIREMENTS: (To be filled in by Client)

- RETURN TO CLIENT
- DISPOSAL BY NORTHEAST ANALYTICAL
- ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO):		PROJECT#PROJECT NAME:		ENTER ANALYSIS AND METHOD NUMBER REQUESTED																						
PROJECT MANAGER:		PROJECT LOCATION (CITY/STATE) ADDRESS:		PRESERVATIVE CODE:	0						PRESERVATIVE KEY 0 - NONE 1 - HCL 2 - HNO3 3 - H2SO4 4 - NaOH 5 - Zn. Acetate 6 - MeOH 7 - NaHSO4 8 - Other															
PHONE: <i>See ps</i>		REQUIRED TURN AROUND TIME:		BOTTLE TYPE:	Gub																					
SAMPLED BY: (Please Print)		NAME OF COURIER (IF USED):		BOTTLE SIZE:	1oz																					
SAMPLING FIRM:		Data Report: <input type="checkbox"/> CLP <input type="checkbox"/> Certificates Only		NUMBER OF CONTAINERS	<i>PS Archival</i>																					
ELECTRONIC RESULTS FORMAT: .PDF <input type="checkbox"/> EXCEL (.CSV) <input type="checkbox"/>		E-MAIL ADDRESS:											LAB SAMPLE ID (NEA USE ONLY)		REMARKS:											
FAXED RESULTS <input type="checkbox"/>		FAX #:											GRAB/COMP													
SAMPLE ID	DATE	TIME	MATRIX																							
P25L-18B-01	12/1/09	1440	Soil										Grab	AL20806							1	X				
P25D-19A-01		1445	Soil											AL20807							1	X				
P25D-20A-01		1520												AL20808							1	X				
P25D-21A-01		1530												AL20809							1	X				
P25D-22A-01		1535												AL20810							1	X				
P25L-23A-01	12/1/09	0930	Soil											AL20811							1	X				
P25L-23B-01		0930			AL20812	1	X																			
P25L-23C-01		0930			AL20813	1	X																			
P25L-24A-01		0935			AL20814	1	X																			
P25L-25A-01		0940			AL20815	1	X																			
AMBIENT OR CHILLED: <input checked="" type="checkbox"/>		TEMP: <u>5.0, 5.4</u>		COC TAPE: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		PROPERLY PRESERVED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		OTHER NOTES:																		
RECEIVED BROKEN OR LEAKING: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		COC DISCREPANCIES: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		RECVD W/ HOLDING TIMES: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																						
RELINQUISHED BY SIGNATURE		RECEIVED BY SIGNATURE		RELINQUISHED BY SIGNATURE		RECEIVED BY SIGNATURE		RELINQUISHED BY SIGNATURE		RECEIVED BY SIGNATURE																
PRINTED NAME		PRINTED NAME		PRINTED NAME		PRINTED NAME		PRINTED NAME		PRINTED NAME																
COMPANY		COMPANY		COMPANY		COMPANY		COMPANY		COMPANY																
DATE/TIME		DATE/TIME		DATE/TIME		DATE/TIME		DATE/TIME		DATE/TIME																

\* CLP LIKE DATA PACKAGE ADDITIONAL COST

# Internal Sample Tracking Record

PCB SOLID EXTRACTION LOG



Northeast Analytical, Inc.

08120164.PDF

Prep Date: 12/22/08

Batch ID: 6988

Initial for required Clean Up Steps

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Cell Num	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Initial for required Clean Up Steps				Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments	
													Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)				
1	70561	PBLK-32	AL20805B	Soil		E PCB S	ASE/ASE2	AO	9.473	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
2	70562	LCS-32	AL20805L	Soil		E PCB S	ASE/ASE2	AM	9.568	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
3	70542	08120164-02	AL20797	Soil		E PCB S	ASE/ASE2	108	10.325	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
4	70543	08120164-03	AL20798	Soil		E PCB S	ASE/ASE2	39	10.988	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
5	70550	08120164-10	AL20805	Soil		E PCB S	ASE/ASE2	62	10.448	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
6	70563	08120164-10MS	AL20805M	Soil		E PCB S	ASE/ASE2	32	10.103	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
7	70565	08120164-10MSD	AL20805K	Soil		E PCB S	ASE/ASE2	29	10.905	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
8	70551	08120164-11	AL20806	Soil		E PCB S	ASE/ASE2	51	10.138	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
9	70556	08120164-16	AL20811	Soil		E PCB S	ASE/ASE2	40	10.195	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
10	70557	08120164-17	AL20812	Soil		E PCB S	ASE/ASE2	23	10.377	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
11	70558	08120164-18	AL20813	Soil		E PCB S	ASE/ASE2	AY	10.645	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
12	70559	08120164-19	AL20814	Soil		E PCB S	ASE/ASE2	34	10.435	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
13	70560	08120164-20	AL20815	Soil		E PCB S	ASE/ASE2	BO	10.136	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
14	70541	08120164-01	AL20796	Sediment		E PCB S	ASE/ASE2	1	10.140	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
15	70544	08120164-04	AL20799	Sediment		E PCB S	ASE/ASE2	103	10.129	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
16	70545	08120164-05	AL20800	Sediment		E PCB S	ASE/ASE2	CE	10.851	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
17	70546	08120164-06	AL20801	Sediment		E PCB S	ASE/ASE2	11	10.905	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
18	70547	08120164-07	AL20802	Sediment		E PCB S	ASE/ASE2	CL	10.120	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
19	70548	08120164-08	AL20803	Sediment		E PCB S	ASE/ASE2	BF	10.147	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
20	70549	08120164-09	AL20804	Sediment		E PCB S	ASE/ASE2	BT	10.666	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
21	70552	08120164-12	AL20807	Sediment		E PCB S	ASE/ASE2	C	10.689	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
22	70553	08120164-13	AL20808	Sediment		E PCB S	ASE/ASE2	CG	10.680	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
23	70554	08120164-14	AL20809	Sediment		E PCB S	ASE/ASE2	6	10.425	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	
24	70555	08120164-15	AL20810	Sediment		E PCB S	ASE/ASE2	2	10.518	NA	NA	NA	NA	12/23	12/23	12/23	NA	25	12/23	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
TBA	060308MLB1P148A	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sulfuric Acid (Main Lab)	E49039	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Acetone (Dewar) Current	CW981	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.5ppm TCMX / 5.0ppm DCBP in Hexan	102108B26P65A1-10	500	0.5/5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10% Florisil (Main Lab)	110308MLB1P164A	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexane (Dewar) [CURRENT]	CY047	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Aroclor 1242 @ 12.5PPM SPIKE	121608B026P101A	1000	12.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aroclor 1242 @ 100 PPM in Hexane	121908B26P104A	500	100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SPIKED BY: Timothy Holton

WITNESSED BY: Jill Grygas

SIGNATURE:

SIGNATURE:

# PCB SOLID SCREEN SHEET

Batch ID: 6988

Prepared by: Jill Grygas

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
PBLK-32	AL20805B	Soil	12/22/08	9.473	N/A	9.4730	25	25	0.01343946	NA	25x
LCS-32	AL20805L	Soil	12/22/08	9.568	N/A	9.5680	25	25	0.74768062	NA	25x
08120164-02	AL20797	Soil	12/22/08	10.325	43.4	4.4810	25	250		RE-EXTRACTED	
08120164-03	AL20798	Soil	12/22/08	10.988	52.1	5.7247	25	250	0.11611545	2>4	50x
08120164-10	AL20805	Soil	12/22/08	10.448	60.0	6.2688	25	250	0.02525577	NA	25x
08120164-10MS	AL20805M	Soil	12/22/08	10.103	60.0	6.0618	25	250	0.35992119	1>7	175x
08120164-10MSD	AL20805K	Soil	12/22/08	10.905	60.0	6.5430	25	250	0.45854303	1>7	175x
08120164-11	AL20806	Soil	12/22/08	10.138	56.5	5.7280	25	250	0.02064287	NA	25x
08120164-16	AL20811	Soil	12/22/08	10.195	42.2	4.3023	25	250	0.86974532	1>10 2>4	500x
08120164-17	AL20812	Soil	12/22/08	10.377	41.1	4.2649	25	250	0.14581435	1>3	75x
08120164-18	AL20813	Soil	12/22/08	10.645	37.8	4.0238	25	250	0.01358522	NA	25x
08120164-19	AL20814	Soil	12/22/08	10.435	36.7	3.8296	25	250	1.02035856	1>10 2>4	500x
08120164-20	AL20815	Soil	12/22/08	10.136	47.0	4.7639	25	250	0.02717904	NA	25x
08120164-01	AL20796	Sediment	12/22/08	10.140	49.5	5.0193	25	250	0.03143190	NA	25x
08120164-04	AL20799	Sediment	12/22/08	10.129	41.4	4.1934	25	250	0.04650315	NA	25x
08120164-05	AL20800	Sediment	12/22/08	10.851	42.4	4.6008	25	250	0.03221097	NA	25x
08120164-06	AL20801	Sediment	12/22/08	10.905	46.7	5.0926	25	250	0.02611128	NA	25x
08120164-07	AL20802	Sediment	12/22/08	10.120	61.0	6.1732	25	250	0.01132618	NA	25x
08120164-08	AL20803	Sediment	12/22/08	10.147	63.5	6.4433	25	250	0.03302336	NA	25x
08120164-09	AL20804	Sediment	12/22/08	10.666	62.5	6.6662	25	250	0.01764742	NA	25x
08120164-12	AL20807	Sediment	12/22/08	10.689	69.4	7.4182	25	250	0.02853918	NA	25x
08120164-13	AL20808	Sediment	12/22/08	10.680	45.5	4.8594	25	250	0.01415156	NA	25x
08120164-14	AL20809	Sediment	12/22/08	10.425	44.4	4.6287	25	250	0.02738826	NA	25x
08120164-15	AL20810	Sediment	12/22/08	10.518	53.3	5.6061	25	250	0.04295672	NA	25x

Solvent, Surrogate, Spike, and Acid Information B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
TBA	060308MLB1P148A	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sulfuric Acid (Main Lab)	E49039	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Acetone (Dewar) Current	CW981	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.5ppm TCMX / 5.0ppm DCBP in Hexan	102108B26P65A1-10	500	0.5/5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10% Florisil (Main Lab)	110308MLB1P164A	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexane (Dewar) [CURRENT]	CY047	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Aroclor 1242 @ 12.5PPM SPIKE	121608B026P101A	1000	12.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aroclor 1242 @ 100 PPM in Hexane	121908B26P104A	500	100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

COMMENTS: \_\_\_\_\_

SOLID EXTRACTION LOG



Northeast Analytical, Inc.

Prep Date: 12/26/2008

Batch ID: 7019

Initial for required Clean Up Steps

	Prep ID	NEA Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Cell Num	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Initial for required Clean Up Steps				Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments
														Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)			
1	70868	PBLK-53	AL20797B	Soil		E PCB S	ASE/ASE2	au	9.113	NA	NA	NA	NA	12/29	12/29	12/29	NA	25	12/29	
2	70869	LCS-53	AL20797L	Soil		E PCB S	ASE/ASE2	62	9.497	NA	NA	NA	NA	12/29	12/29	12/29	NA	25	12/29	
3	70867	08120164-02RE1	AL20797RE1	Soil		E PCB S	ASE/ASE2	68	10.007	NA	NA	NA	NA	12/29	12/29	12/29	NA	25	12/29	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Hydro Matrix	706150-AB	NA	na	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TBA	060308MLB1P148A	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sulfuric Acid (Main Lab)	E49039	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acetone (Dewar) Current	CW981	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.5ppm TCMX / 5.0ppm DCBP in Hexane	102108B26P65A1-10	500	0.5/5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10% Florisil (Main Lab)	110308MLB1P164A	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hexane (Dewar) [CURRENT]	CY047	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aroclor 1242 @ 12.5PPM SPIKE	121608B026P101A	1000	12.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

08120164.PDF

SPIKED BY: Timothy Holton

WITNESSED BY: Jill Grygas

SIGNATURE: *Tim Holton*

SIGNATURE: *Jillian J Grygas*

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# PCB SOLID SCREEN SHEET

Batch ID: 7019

Prepared by: Jill Grygas

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
PBLK-53	AL20797B	Soil	12/26/08	9.113	N/A	9.1130	25	NA	0.02877383	NA	25x
LCS-53	AL20797L	Soil	12/26/08	9.497	N/A	9.4970	25	NA	0.70778471	NA	25x
08120164-02	AL20797RE1	Soil	12/26/08	10.007	43.4	4.3430	25	250	0.64514081	1>10	250x

Solvent, Surrogate, Spike, and Acid Information      B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Hydro Matrix	706150-AB	NA	na	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TBA	060308MLB1P148A	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sulfuric Acid (Main Lab)	E49039	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acetone (Dewar) Current	CW981	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.5ppm TCMX / 5.0ppm DCBP in Hexane	102108B26P65A1-10	500	0.5/5.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10% Florisil (Main Lab)	110308MLB1P164A	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hexane (Dewar) [CURRENT]	CY047	NA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aroclor 1242 @ 12.5PPM SPIKE	121608B026P101A	1000	12.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS: \_\_\_\_\_

## Surrogate % Recovery Summary

**2F-1  
PCB SURROGATE RECOVERY**

Laboratory Name: Northeast Analytical, Inc.

SDG: 08120164

ELAP ID No: 11078

GC Column (1): J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm

GC Column (2): NA

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 (Col 1) % REC #	SURR 2 (Col 1) % REC #	OTHER (1)	OTHER (2)	TOTAL OUT
PBLK-53	AL20797B	GC20F-327-12	67.8	71.9			0
PBLK-32	AL20805B	GC20F-326-11	85.5	83.8			0
LCS-53	AL20797L	GC20F-327-13	86.7	103			0
LCS-32	AL20805L	GC20F-326-12	91.5	92.5			0
08120164-01	AL20796	GC20F-326-13	86.6	88.8			0
08120164-02RE1	AL20797RE1	GC20F-327-14	79.4 D	100 D			0
08120164-03	AL20798	GC20F-326-14	82.7	89.2			0
08120164-04	AL20799	GC20F-326-15	90.6	93.2			0
08120164-05	AL20800	GC20F-326-16	86.7	90.3			0
08120164-06	AL20801	GC20F-326-17	88.6	93.7			0
08120164-07	AL20802	GC20F-326-18	90.3	93.8			0
08120164-08	AL20803	GC20F-326-19	91.2	93.7			0
08120164-09	AL20804	GC20F-326-21	97.0	98.5			0
08120164-10	AL20805	GC20F-326-22	93.6	91.7			0
08120164-11	AL20806	GC20F-326-25	84.7	85.2			0
08120164-12	AL20807	GC20F-326-26	90.6	92.4			0
08120164-13	AL20808	GC20F-326-27	92.5	92.4			0
08120164-14	AL20809	GC20F-326-28	91.5	94.5			0
08120164-15	AL20810	GC20F-326-29	90.0	91.9			0
08120164-16	AL20811	GC20F-326-31	63.4 D	67.5 D			0
08120164-17	AL20812	GC20F-326-32	88.3	94.1			0
08120164-18	AL20813	GC20F-326-33	89.9	92.3			0
08120164-19	AL20814	GC20F-326-34	69.3 D	33.5 D			0
08120164-20	AL20815	GC20F-326-35	92.0	99.4			0
08120164-10MS	AL20805M	GC20F-326-23	69.3 D	68.1 D			0
08120164-10MSD	AL20805K	GC20F-326-24	75.8 D	78.1 D			0

# Column to be used to flag recovery values

Advisory QC Limits.

SURR1 = TETRACHLORO-META-XYLENE (60-140)

SURR2 = DECACHLOROBIPHENYL (60-140)

# Matrix Spike/Matrix Spike Duplicate Summary

**3F-1**  
**MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY**

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 08120164

MS LRF ID: 08120164-10MS MSD LRF ID: 08120164-10MSD Sample LRF ID: 08120164-10

MS Lab File ID: GC20F-326-23 MSD Lab File ID: GC20F-326-24 Sample File ID: GC20F-326-22

MS Sample Inj Date: 12/26/2008 22:34:14 MSD Sample Inj Date: 12/26/2008 23:06:50 Sample Inj Date: 12/26/2008 22:01:38

MS Lab Sample ID: AL20805M MSD Lab Sample ID: AL20805K Sample ID: AL20805

COMPOUND	SPIKE ADDED (ug/g)	SAMPLE CONCENTRATION (ug/g)	MS CONCENTRATION (ug/g)	MS PERCENT RECOVERY #	QC LIMITS <sup>1</sup> PERCENT RECOVERY
Aroclor 1242	8.25	0	6.51	78.9	(70.0-130)

COMPOUND	SPIKE ADDED (ug/g)	MSD CONCENTRATION (ug/g)	MSD PERCENT RECOVERY #	RPD #	QC LIMITS <sup>1</sup> RPD REC
Aroclor 1242	7.64	7.42	97.1	20.7 *	20 (70.0-130)

# Column to be used to flag recovery values

\* Values outside of QC limits

<sup>1</sup> QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 2 outside limits.

RPD: 1 out of 1 outside limits.

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Laboratory Control Spike Summary

**3F-2**  
**LABORATORY CONTROL SPIKE (LCS) RECOVERY**

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: <u>11078</u>	SDG No: <u>08120164</u>
LCS ID: <u>LCS-32</u>	Blank Sample ID: <u>PBLK-32</u>
LCS File ID: <u>GC20F-326-12</u>	Method Blank File ID: <u>GC20F-326-11</u>
LCS Inj Date: <u>12/26/2008 16:35:38</u>	Method Blank Inj Date: <u>12/26/2008 16:03:03</u>
LCS NEA ID No: <u>AL20805L</u>	Method Blank NEA ID No: <u>AL20805B</u>

COMPOUND	SPIKE ADDED (ug/g)	LCS CONCENTRATION (ug/g)	LCS PERCENT RECOVERY #	QC LIMITS <sup>1</sup> PERCENT RECOVERY
Aroclor 1242	1.31	1.14	87.6	70.0-130

# Column to be used to flag recovery values

<sup>1</sup>QC Limits based upon laboratory defaults.

\* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits.

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**3F-2**  
**LABORATORY CONTROL SPIKE (LCS) RECOVERY**

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078

SDG No: 08120164

LCS ID: LCS-53

Blank Sample ID: PBLK-53

LCS File ID: GC20F-327-13

Method Blank File ID: GC20F-327-12

LCS Inj Date: 12/29/2008 13:26:27

Method Blank Inj Date: 12/29/2008 12:53:50

LCS NEA ID No: AL20797L

Method Blank NEA ID No: AL20797B

COMPOUND	SPIKE ADDED (ug/g)	LCS CONCENTRATION (ug/g)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Aroclor 1242	1.32	1.16	88.3	70.0-130

# Column to be used to flag recovery values

<sup>1</sup>QC Limits based upon laboratory defaults.

\* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits.

COMMENTS:

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# Method Blank Summary

**4C-1**  
**PCB METHOD BLANK SUMMARY**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No.: <u>11078</u>	Blank Sample ID: <u>PBLK-32</u>
Matrix: <u>SODIUM SULFATE</u>	Method Blank Nea ID No: <u>AL20805B</u>
Instrument ID: <u>GC20F</u>	Lab File ID: <u>GC20F-326-11</u>
Extraction Type: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
GC Column (1): <u>J&amp;W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm</u>	Date Analyzed: <u>12/26/2008</u>
	Time Analyzed: <u>16:03:03</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
LAB CONTROL SPIKE	AL20805L	GC20F-326-12	12/26/2008 16:35:38
P2SD-12B-01	AL20796	GC20F-326-13	12/26/2008 17:08:15
P2SL-14A-01	AL20798	GC20F-326-14	12/26/2008 17:40:51
P2SD-15A-01	AL20799	GC20F-326-15	12/26/2008 18:13:27
P2SD-15B-01	AL20800	GC20F-326-16	12/26/2008 18:46:03
P2SD-15C-01	AL20801	GC20F-326-17	12/26/2008 19:18:39
P2SD-16A-01	AL20802	GC20F-326-18	12/26/2008 19:51:14
P2SD-17A-01	AL20803	GC20F-326-19	12/26/2008 20:23:49
P2SD-17A-03	AL20804	GC20F-326-21	12/26/2008 21:29:02
P2SL-18A-01	AL20805	GC20F-326-22	12/26/2008 22:01:38
P2SL-18A-01 MS	AL20805M	GC20F-326-23	12/26/2008 22:34:14
P2SL-18A-01 MSD	AL20805K	GC20F-326-24	12/26/2008 23:06:50
P2SL-18B-01	AL20806	GC20F-326-25	12/26/2008 23:39:26
P2SD-19A-01	AL20807	GC20F-326-26	12/27/2008 00:12:03
P2SD-20A-01	AL20808	GC20F-326-27	12/27/2008 00:44:38
P2SD-21A-01	AL20809	GC20F-326-28	12/27/2008 01:17:13
P2SD-22A-01	AL20810	GC20F-326-29	12/27/2008 01:49:49
P2SL-23A-01	AL20811	GC20F-326-31	12/27/2008 02:54:59
P2SL-23B-01	AL20812	GC20F-326-32	12/27/2008 03:27:36
P2SL-23C-01	AL20813	GC20F-326-33	12/27/2008 04:00:12
P2SL-24A-01	AL20814	GC20F-326-34	12/27/2008 04:32:49
P2SL-25A-01	AL20815	GC20F-326-35	12/27/2008 05:05:25

**4C-1**  
**PCB METHOD BLANK SUMMARY**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	Blank Sample ID: <u>PBLK-53</u>
Matrix: <u>SODIUM SULFATE</u>	Method Blank Nea ID No: <u>AL20797B</u>
Instrument ID: <u>GC20F</u>	Lab File ID: <u>GC20F-327-12</u>
Extraction Type: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/26/2008</u>
GC Column (1): <u>J&amp;W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm</u>	Date Analyzed: <u>12/29/2008</u>
	Time Analyzed: <u>12:53:50</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
LAB CONTROL SPIKE	AL20797L	GC20F-327-13	12/29/2008 13:26:27
P2SL-13A-01	AL20797RE1	GC20F-327-14	12/29/2008 13:59:03

## Sample Analysis Data

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-01</u>
Matrix:	<u>Sediment</u>	Client ID:	<u>P2SD-12B-01</u>
Sample wt(Dry)/vol:	<u>5.0193 g</u>	Lab Sample ID:	<u>AL20796</u>
Percent Moisture:	<u>50.5</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-13

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

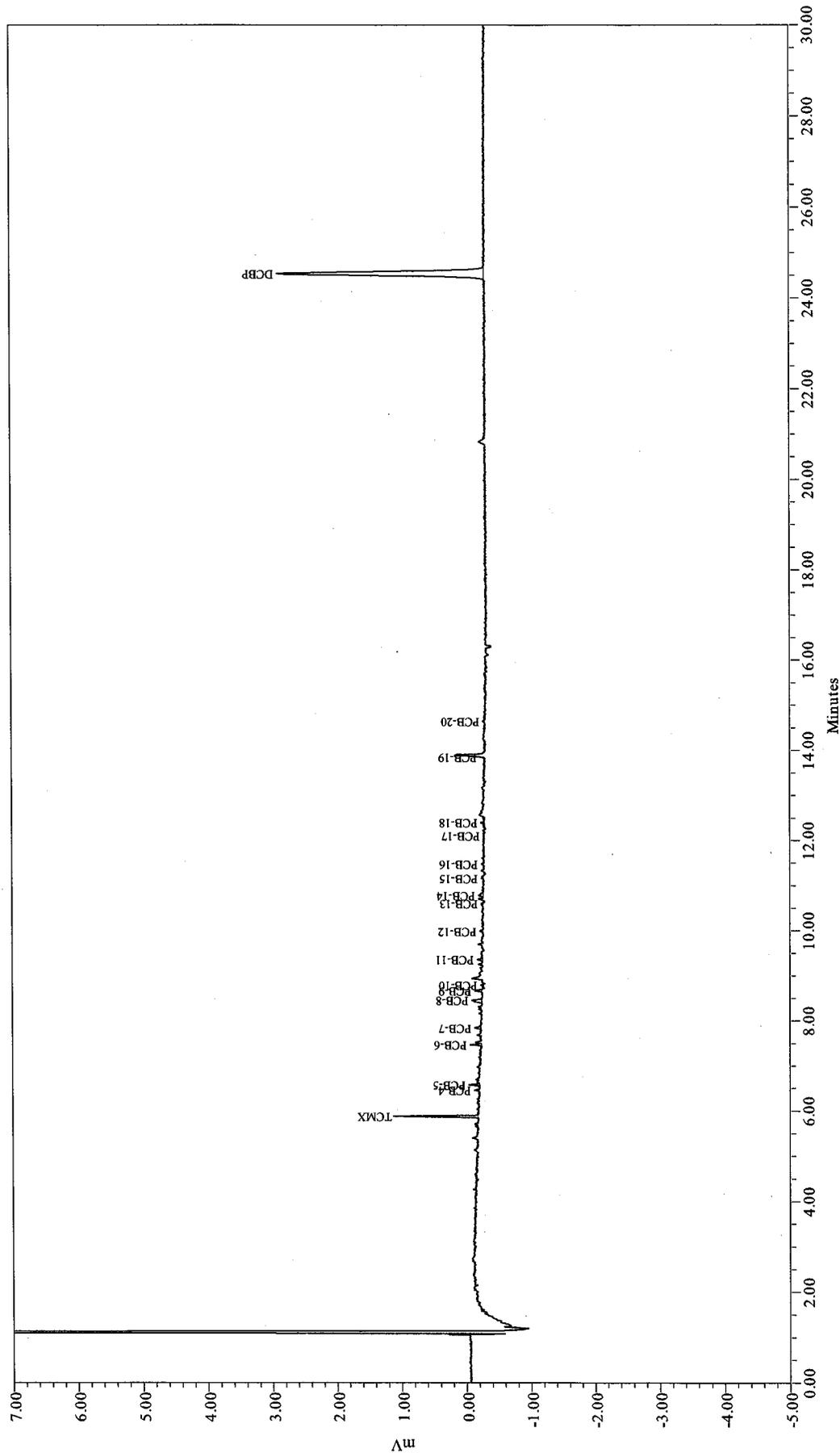
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.0996	U
1	11104-28-2	Aroclor 1221	0.0996	U
1	11141-16-5	Aroclor 1232	0.0996	U
1	53469-21-9	Aroclor 1242	0.168	AD
1	12672-29-6	Aroclor 1248	0.0996	U
1	11097-69-1	Aroclor 1254	0.0996	U
1	11096-82-5	Aroclor 1260	0.0996	U

Laboratory Qualifiers:

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308  
Phone: (518) 346-4592 Fax: (518) 381-6055  
www.nealab.com



Sample Name: AL20796  
Sample ID: P2SD-12B-01  
Date Acquired: 12/26/2008 17:08:15 EST

Sample Amount (g): 5.0190  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-13



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308

Phone: (518) 346-4592 Fax: (518) 381-6055

www.nealab.com

Sample Name:	AL20796	Sample Amount (g) :	5.0190
Sample ID:	P2SD-12B-01	Dilution:	25
Date Acquired:	12/26/2008 17:08:15 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:39:33 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:39:52 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	1997	8.662	86.6	
2	PCB-4	6.46	bb	133			
3	PCB-5	6.58	bb	260			
4	PCB-6	7.47	bV	313			
5	PCB-7	7.84	bb	210			
6	PCB-8	8.46	bb	467			
7	PCB-9	8.67	bb	203			
8	PCB-10	8.80	bb	70			
9	PCB-11	9.36	bb	182			
10	PCB-12	9.99	bb	111			
11	PCB-13	10.60	bb	20			
12	PCB-14	10.78	bb	222			
13	PCB-15	11.16	bb	81			
14	PCB-16	11.48	bb	80			
15	PCB-17	12.11	bb	22			
16	PCB-18	12.40	bb	115			
17	PCB-19	13.85	bv	19			
18	PCB-20	14.64	bb	42			
19	DCBP	24.54	bb	18621	88.822		88.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	1263	26.169	0.13035	0.0996	NR	
2	A1221	393	33.448	0.16661	0.0996	NR	
3	A1221-2	393	35.969	0.17916	0.0996	NR	
4	A1221-5	133	23.081	0.11497	0.0996	NR	
5	A1232	1210	55.770	0.27779	0.0996	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
6	A1232-8/9	540	58.781	0.29279	0.0996	NR	
7	A1242	1263	33.676	0.16774	0.0996	X	AD
8	A1248	616	17.454	0.08694	0.0996	NR	
9	A1248-11/15	353	15.349	0.07646	0.0996	NR	
10	A1248-14/15	313	15.597	0.07769	0.0996	NR	
11	A1254	279	3.632	0.01809	0.0996	NR	
12	A1254-17/18	141	3.586	0.01786	0.0996	NR	
13	A1254-19/20	218	4.472	0.02227	0.0996	NR	
14	A1254-20	237	3.210	0.01599	0.0996	NR	
15	A1260	42			0.0996	NR	
16	A1260-23/24	42			0.0996	NR	
17	A1262	42				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-02RE1</u>
Matrix:	<u>Soil</u>	Client ID:	<u>P2SL-13A-01</u>
Sample wt(Dry)/vol:	<u>4.3430 g</u>	Lab Sample ID:	<u>AL20797RE1</u>
Percent Moisture:	<u>56.6</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/26/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/29/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>10</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-327-14

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

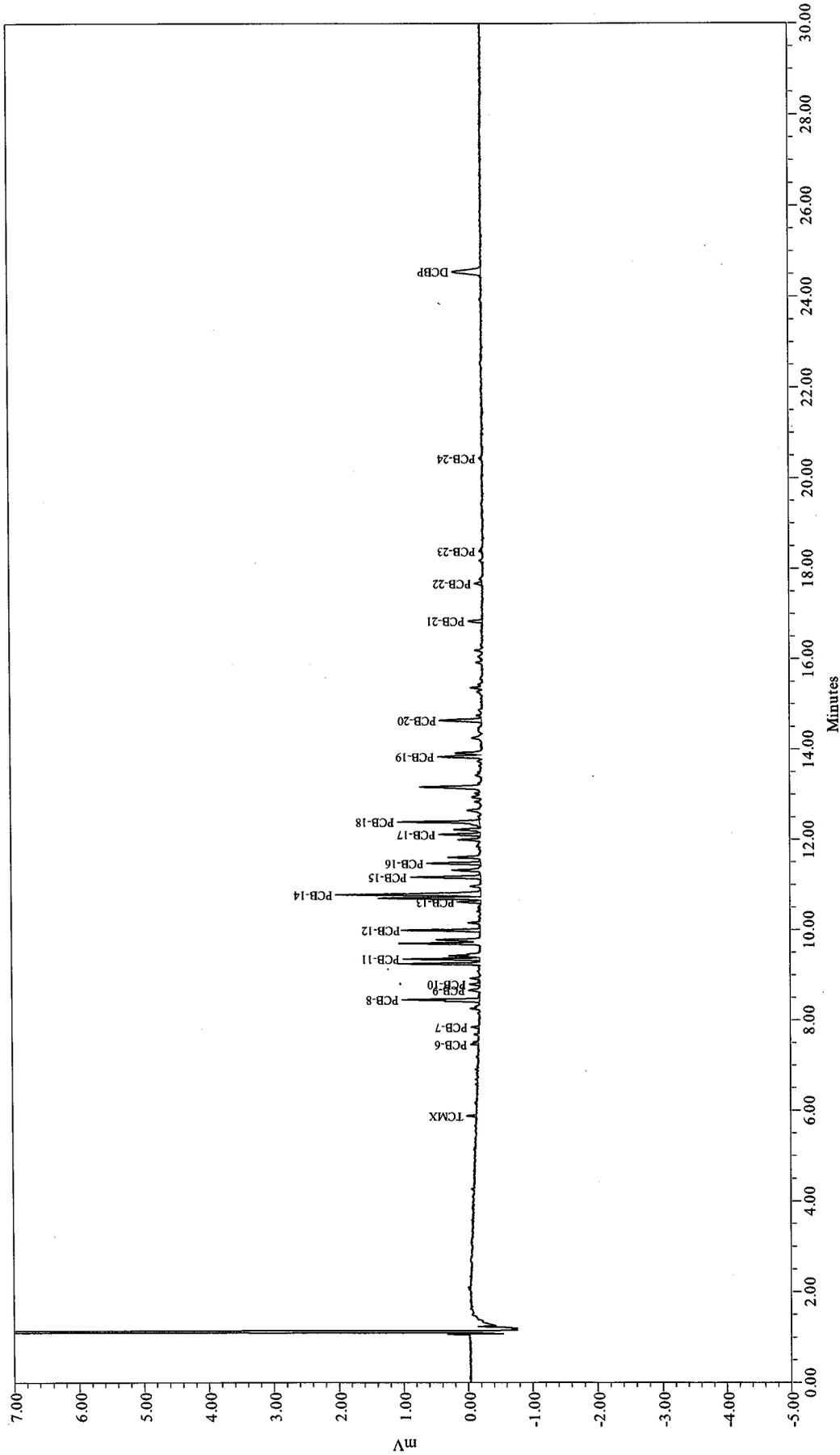
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	1.15	U
1	11104-28-2	Aroclor 1221	1.15	U
1	11141-16-5	Aroclor 1232	1.15	U
1	53469-21-9	Aroclor 1242	7.01	AD
1	12672-29-6	Aroclor 1248	1.15	U
1	11097-69-1	Aroclor 1254	11.2	AF
1	11096-82-5	Aroclor 1260	1.56	AG

Laboratory Qualifiers:

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20797RE1  
Sample ID: P2SL-13A-01  
Date Acquired: 12/29/2008 13:59:03 EST

Sample Amount (g): 4.3430  
Dilution: 250  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-327-14



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Phone: (518) 346-4592 Fax: (518) 381-6055

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Sample Name:	AL20797RE1	Sample Amount (g) :	4.3430
Sample ID:	P2SL-13A-01	Dilution:	250
Date Acquired:	12/29/2008 13:59:03 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/30/2008 06:12:19 EST
Sample Set Name:	GC20F_8082S_122908	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/30/2008
Run Time:	30.0 Minutes	Current Time:	06:19:55 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-327-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	249	0.794	79.4	
2	PCB-6	7.47	bV	257			
3	PCB-7	7.85	bb	264			
4	PCB-8	8.46	bB	3088			
5	PCB-9	8.67	BB	514			
6	PCB-10	8.80	Bb	362			
7	PCB-11	9.36	bV	2232			
8	PCB-12	10.00	bb	2655			
9	PCB-13	10.62	bV	775			
10	PCB-14	10.78	Vb	6275			
11	PCB-15	11.17	bb	2517			
12	PCB-16	11.48	bV	1843			
13	PCB-17	12.12	VV	1484			
14	PCB-18	12.39	Bb	3269			
15	PCB-19	13.84	bV	1755			
16	PCB-20	14.64	bb	1852			
17	PCB-21	16.85	bb	585			
18	PCB-22	17.68	bb	266			
19	PCB-23	18.39	bb	127			
20	PCB-24	20.44	bb	101			
21	DCBP	24.56	bb	2540	10.017		100

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	4485	100.954	5.81129	1.15	NR	
2	A1232	4228	196.641	11.31941	1.15	NR	
3	A1232-8/9	626	67.514	3.88639	1.15	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
4	A1242	4485	121.765	7.00925	1.15	X	AD
5	A1248	14453	406.252	23.38543	1.15	NR	
6	A1248-11/15	9704	419.700	24.15957	1.15	NR	
7	A1248-14/15	5662	336.091	19.34669	1.15	NR	
8	A1254	10204	194.885	11.21833	1.15	X	AF
9	A1254-17/18	5451	176.416	10.15518	1.15	NR	
10	A1254-19/20	6597	214.005	12.31899	1.15	NR	
11	A1254-20	8352	206.878	11.90871	1.15	NR	
12	A1260	2932	51.759	2.97947	1.15	NR	
13	A1260-20	1079	27.145	1.56256	1.15	X	AG
14	A1260-23/24	2704	56.978	3.27990	1.15	NR	
15	A1262	2932				NR	
16	A1268	227				NR	

**1D-1**  
**PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-03</u>
Matrix: <u>Soil</u>	Client ID: <u>P2SL-14A-01</u>
Sample wt(Dry)/vol: <u>5.7247 g</u>	Lab Sample ID: <u>AL20798</u>
Percent Moisture: <u>47.9</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>2</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-14

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

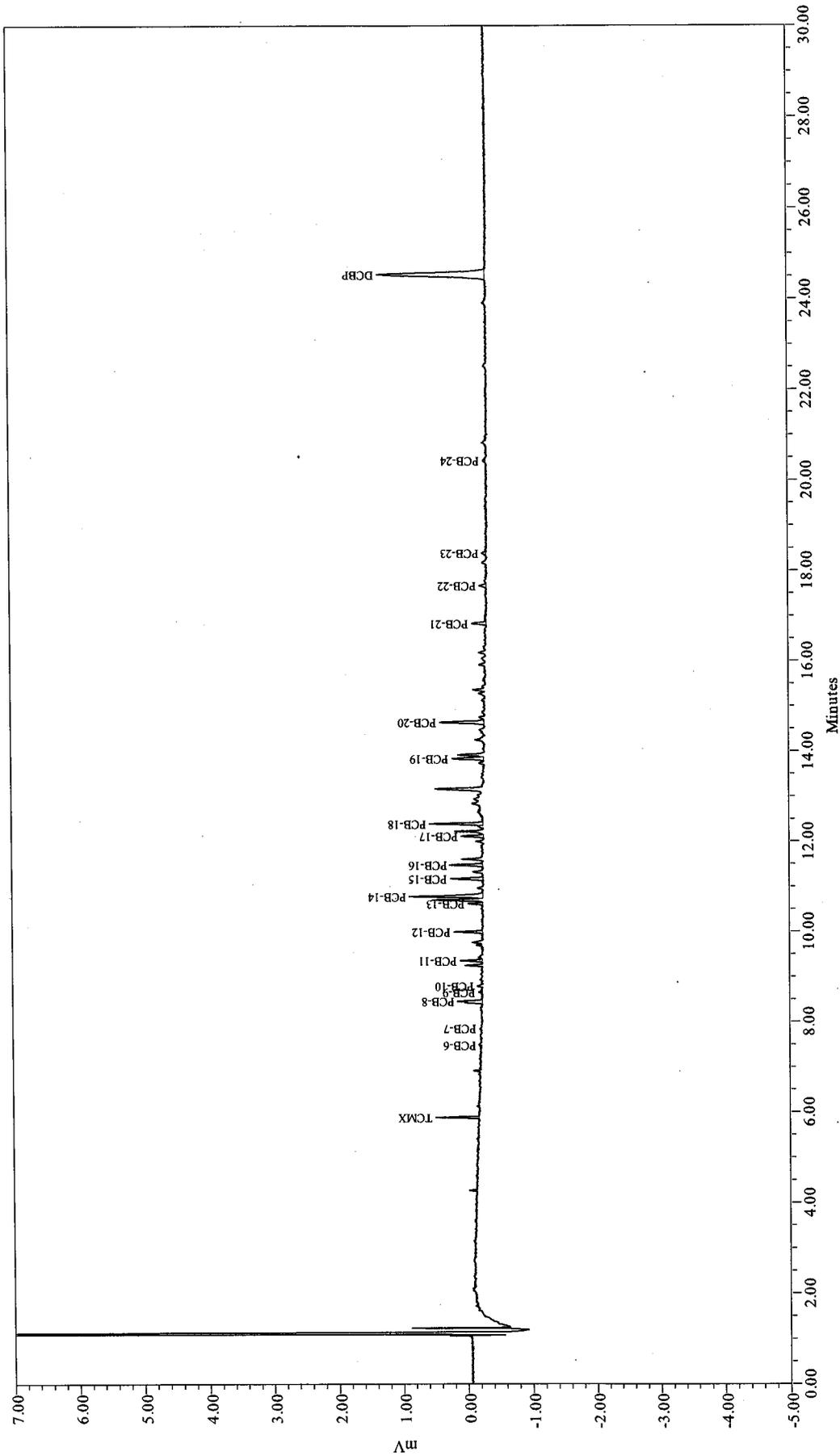
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.175	U
1	11104-28-2	Aroclor 1221	0.175	U
1	11141-16-5	Aroclor 1232	0.175	U
1	53469-21-9	Aroclor 1242	0.359	AD
1	12672-29-6	Aroclor 1248	0.175	U
1	11097-69-1	Aroclor 1254	1.18	AF
1	11096-82-5	Aroclor 1260	0.268	AG

**Laboratory Qualifiers:**

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20798  
Sample ID: P2SL-14A-01  
Date Acquired: 12/26/2008 17:40:51 EST

Sample Amount (g): 5.7250  
Dilution: 50  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-14



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Sample Name:	AL20798	Sample Amount (g) :	5.7250
Sample ID:	P2SL-14A-01	Dilution:	50
Date Acquired:	12/26/2008 17:40:51 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:42:00 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:40:01 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	991	4.133	82.7	
2	PCB-6	7.48	bv	53			
3	PCB-7	7.85	bb	33			
4	PCB-8	8.45	bb	1167			
5	PCB-9	8.66	bb	92			
6	PCB-10	8.79	bb	189			
7	PCB-11	9.35	bv	667			
8	PCB-12	9.99	bb	897			
9	PCB-13	10.62	bV	433			
10	PCB-14	10.78	Vb	2999			
11	PCB-15	11.17	bb	1179			
12	PCB-16	11.47	bb	1143			
13	PCB-17	12.12	bV	787			
14	PCB-18	12.39	vb	1980			
15	PCB-19	13.84	bV	1282			
16	PCB-20	14.64	bb	1884			
17	PCB-21	16.83	bb	609			
18	PCB-22	17.67	bb	317			
19	PCB-23	18.39	bb	182			
20	PCB-24	20.43	bb	111			
21	DCBP	24.54	bb	9599	44.612		89.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	1535	32.485	0.28371	0.175	NR	
2	A1232	1482	68.471	0.59800	0.175	NR	
3	A1232-8/9	223	26.653	0.23278	0.175	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
4	A1242	1535	41.116	0.35909	0.175	X	AD
5	A1248	6175	173.632	1.51644	0.175	NR	
6	A1248-11/15	4329	187.249	1.63536	0.175	NR	
7	A1248-14/15	1996	116.473	1.01724	0.175	NR	
8	A1254	7076	134.608	1.17561	0.175	X	AF
9	A1254-17/18	4309	139.255	1.21620	0.175	NR	
10	A1254-19/20	3909	125.731	1.09809	0.175	NR	
11	A1254-20	5192	127.560	1.11406	0.175	NR	
12	A1260	3103	54.832	0.47888	0.175	NR	
13	A1260-20	1218	30.647	0.26766	0.175	X	AG
14	A1260-23/24	2810	59.274	0.51768	0.175	NR	
15	A1262	3103				NR	
16	A1268	293				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-04</u>
Matrix:	<u>Sediment</u>	Client ID:	<u>P2SD-15A-01</u>
Sample wt(Dry)/vol:	<u>4.1934 g</u>	Lab Sample ID:	<u>AL20799</u>
Percent Moisture:	<u>58.6</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-15

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

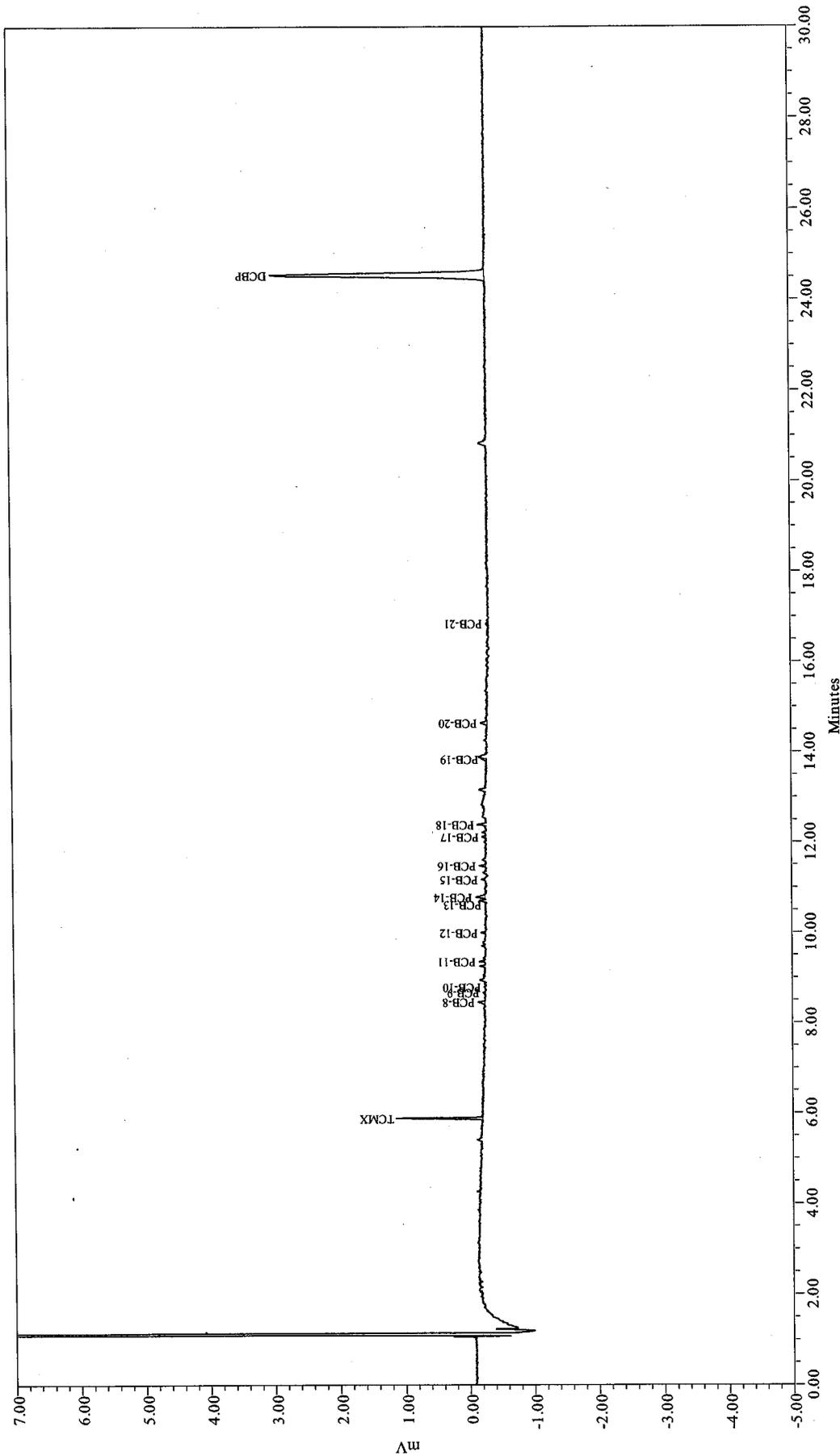
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.119	U
1	11104-28-2	Aroclor 1221	0.119	U
1	11141-16-5	Aroclor 1232	0.119	U
1	53469-21-9	Aroclor 1242	0.119	U
1	12672-29-6	Aroclor 1248	0.119	U
1	11097-69-1	Aroclor 1254	0.119	U
1	11096-82-5	Aroclor 1260	0.119	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Amount (g): 4.1930  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-15

Sample Name: AL20799  
Sample ID: P2SD-15A-01  
Date Acquired: 12/26/2008 18:13:27 EST



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Sample Name:	AL20799	Sample Amount (g) :	4.1930
Sample ID:	P2SD-15A-01	Dilution:	25
Date Acquired:	12/26/2008 18:13:27 EST	Extract Volume:	25
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/29/2008 07:43:57 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:40:09 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-15

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2086	9.060	90.6	
2	PCB-8	8.46	bb	252			
3	PCB-9	8.67	bb	76			
4	PCB-10	8.80	bb	27			
5	PCB-11	9.36	bb	133			
6	PCB-12	10.00	bb	146			
7	PCB-13	10.62	bb	6			
8	PCB-14	10.78	bb	405			
9	PCB-15	11.17	bb	125			
10	PCB-16	11.48	bb	170			
11	PCB-17	12.12	bb	109			
12	PCB-18	12.40	vb	320			
13	PCB-19	13.85	bv	130			
14	PCB-20	14.65	bb	349			
15	PCB-21	16.85	bb	115			
16	DCBP	24.55	bb	19522	93.238		93.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	355	5.104	0.03043	0.119	NR	
2	A1232	355	15.866	0.09460	0.119	NR	
3	A1232-8/9	27	6.860	0.04090	0.119	NR	
4	A1242	355	8.865	0.05285	0.119	NR	
5	A1248	816	23.077	0.13759	0.119	NR	
6	A1248-11/15	558	24.198	0.14428	0.119	NR	
7	A1248-14/15	286	13.999	0.08346	0.119	NR	
8	A1254	1078	19.031	0.11347	0.119	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
9	A1254-17/18	649	20.111	0.11991	0.119	NR	
10	A1254-19/20	599	16.994	0.10132	0.119	NR	
11	A1254-20	729	15.565	0.09281	0.119	NR	
12	A1260	464	7.468	0.04453	0.119	NR	
13	A1260-20	115	2.874	0.01713	0.119	NR	
14	A1260-23/24	464	8.378	0.04995	0.119	NR	
15	A1262	464				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-05</u>
Matrix: <u>Sediment</u>	Client ID: <u>P2SD-15B-01</u>
Sample wt(Dry)/vol: <u>4.6008 g</u>	Lab Sample ID: <u>AL20800</u>
Percent Moisture: <u>57.6</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-16

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

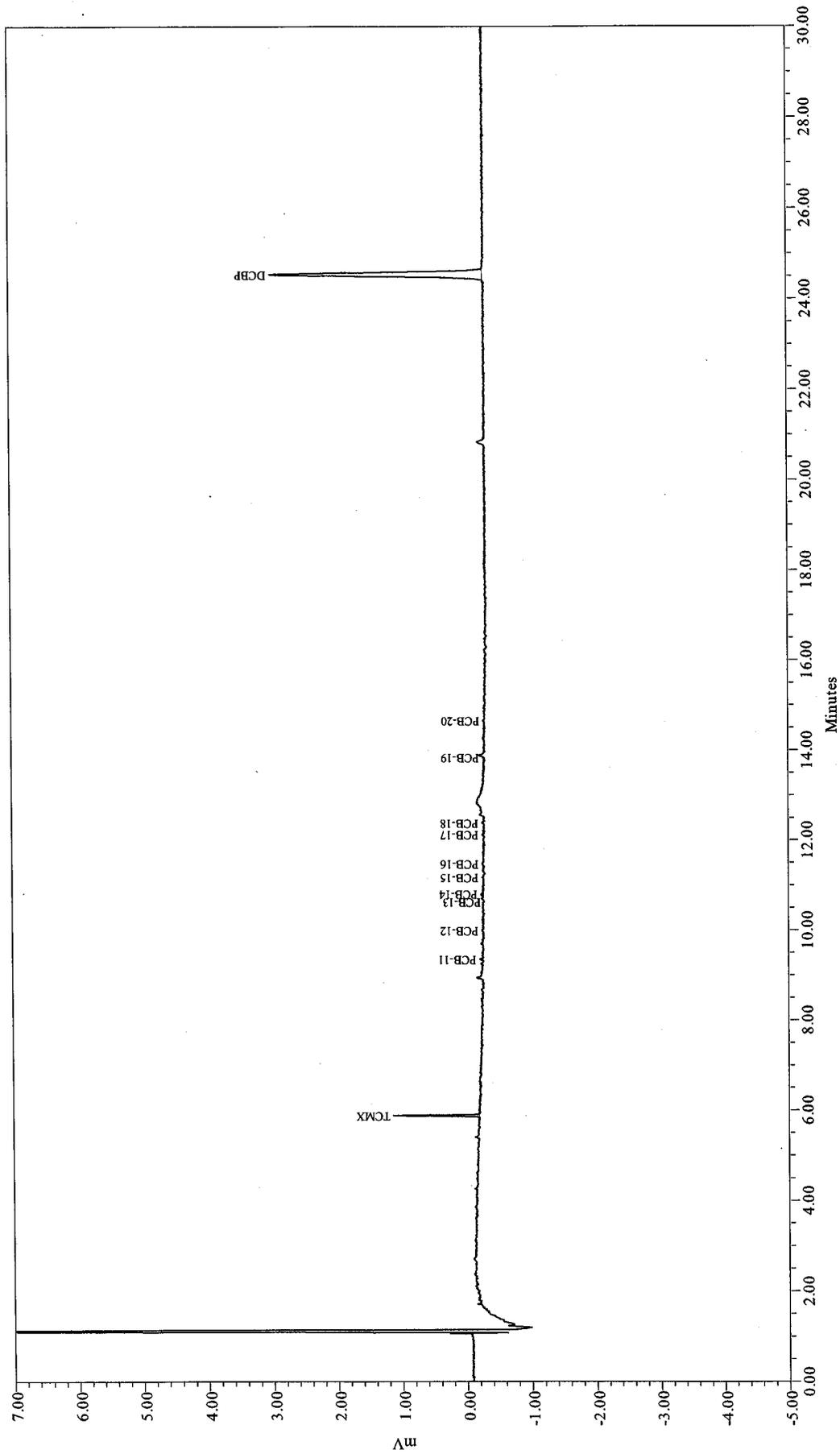
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.109	U
1	11104-28-2	Aroclor 1221	0.109	U
1	11141-16-5	Aroclor 1232	0.109	U
1	53469-21-9	Aroclor 1242	0.109	U
1	12672-29-6	Aroclor 1248	0.109	U
1	11097-69-1	Aroclor 1254	0.109	U
1	11096-82-5	Aroclor 1260	0.109	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20800  
Sample ID: P2SD-15B-01  
Date Acquired: 12/26/2008 18:46:03 EST

Sample Amount (g): 4.6010  
Dilution: 25  
Processing Method: GC20F.8082CC.120108  
LIMS File ID: GC20F-326-16



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Sample Name:	AL20800	Sample Amount (g) :	4.6010
Sample ID:	P2SD-15B-01	Dilution:	25
Date Acquired:	12/26/2008 18:46:03 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:45:15 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:40:18 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-16

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	1999	8.669	86.7	
2	PCB-11	9.35	bb	94			
3	PCB-12	9.99	bb	32			
4	PCB-13	10.63	bb	4			
5	PCB-14	10.80	bb	120			
6	PCB-15	11.17	bb	36			
7	PCB-16	11.48	bb	19			
8	PCB-17	12.13	bb	28			
9	PCB-18	12.39	bb	53			
10	PCB-19	13.84	bv	23			
11	PCB-20	14.66	bb	29			
12	DCBP	24.54	bb	18924	90.308		90.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1254-19/20	101	0.641	0.00348	0.109	NR	
2	A1254-20	124	0.367	0.00200	0.109	NR	
3	A1260	29			0.109	NR	
4	A1260-23/24	29			0.109	NR	
5	A1262	29				NR	
6	A1248	287	8.188	0.04449	0.109	NR	
7	A1248-11/15	157	6.840	0.03717	0.109	NR	
8	A1248-14/15	131	4.670	0.02537	0.109	NR	
9	A1254	153	1.203	0.00654	0.109	NR	
10	A1254-17/18	71	1.295	0.00704	0.109	NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-06</u>
Matrix:	<u>Sediment</u>	Client ID:	<u>P2SD-15C-01</u>
Sample wt(Dry)/vol:	<u>5.0926 g</u>	Lab Sample ID:	<u>AL20801</u>
Percent Moisture:	<u>53.3</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-17

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

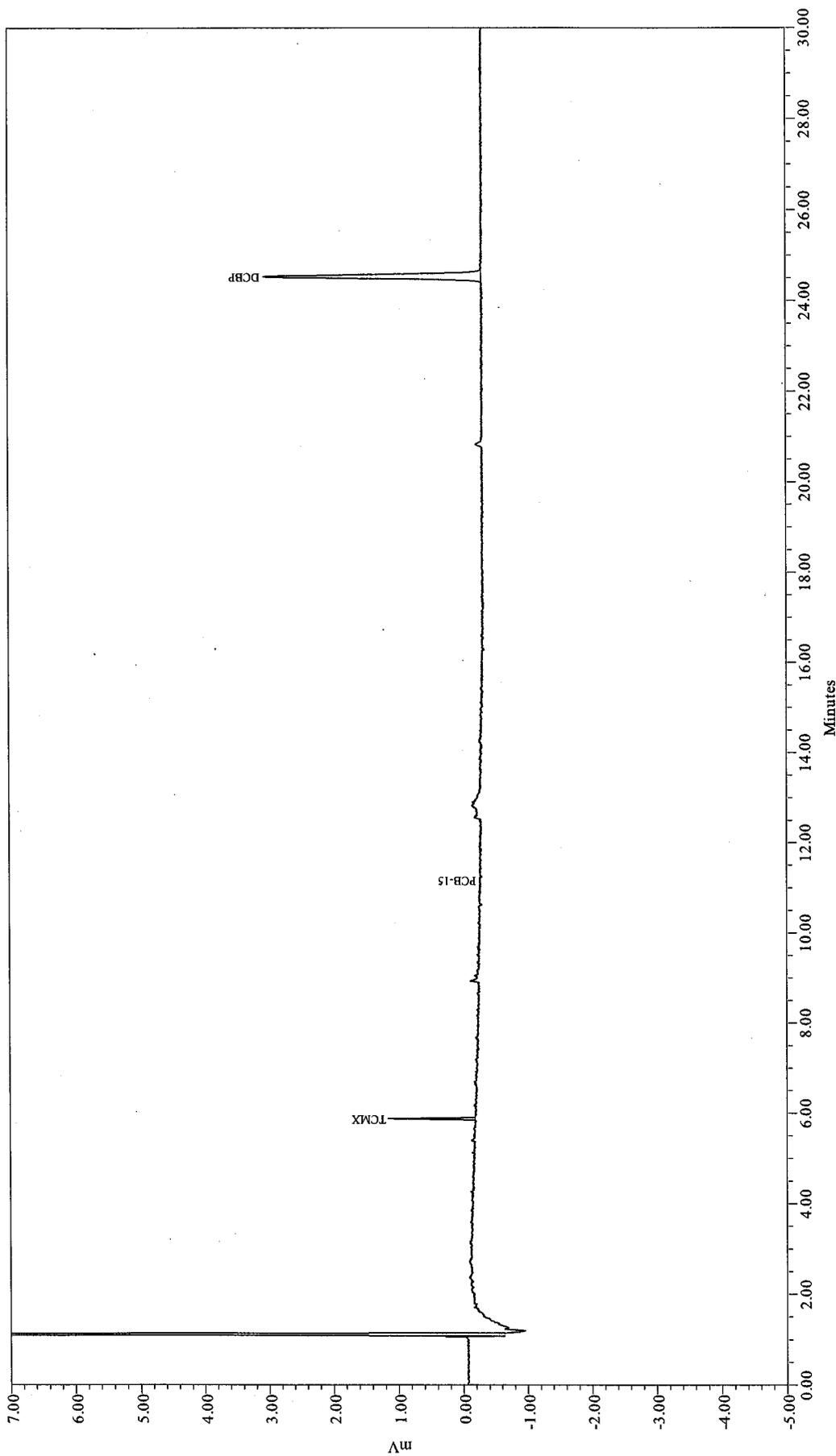
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0982	U
1	11104-28-2	Aroclor 1221	0.0982	U
1	11141-16-5	Aroclor 1232	0.0982	U
1	53469-21-9	Aroclor 1242	0.0982	U
1	12672-29-6	Aroclor 1248	0.0982	U
1	11097-69-1	Aroclor 1254	0.0982	U
1	11096-82-5	Aroclor 1260	0.0982	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20801  
Sample ID: P2SD-15C-01  
Date Acquired: 12/26/2008 19:18:39 EST

Sample Amount (g) : 5.0930  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-17

Sample Name: AL20801  
Sample ID: P2SD-15C-01  
Date Acquired: 12/26/2008 19:18:39 EST



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Sample Name: AL20801 Sample Amount (g) : 5.0930  
Sample ID: P2SD-15C-01 Dilution: 25  
Date Acquired: 12/26/2008 19:18:39 EST Extract Volume: 25  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/29/2008 07:46:29 EST  
Sample Set Name: GC20F\_8082s\_122608 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/29/2008  
Run Time: 30.0 Minutes Current Time: 10:40:34 US/Eastern  
Report Name: Solid\_ugg\_LIMS\_PQL LIMS File ID: GC20F-326-17

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2041	8.858	88.6	
2	PCB-15	11.17	bb	4			
3	DCBP	24.53	bb	19625	93.741		93.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	4	0.252	0.00123	0.0982	NR	

**1D-1**  
**PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-07</u>
Matrix: <u>Sediment</u>	Client ID: <u>P2SD-16A-01</u>
Sample wt(Dry)/vol: <u>6.1732 g</u>	Lab Sample ID: <u>AL20802</u>
Percent Moisture: <u>39.0</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-18

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

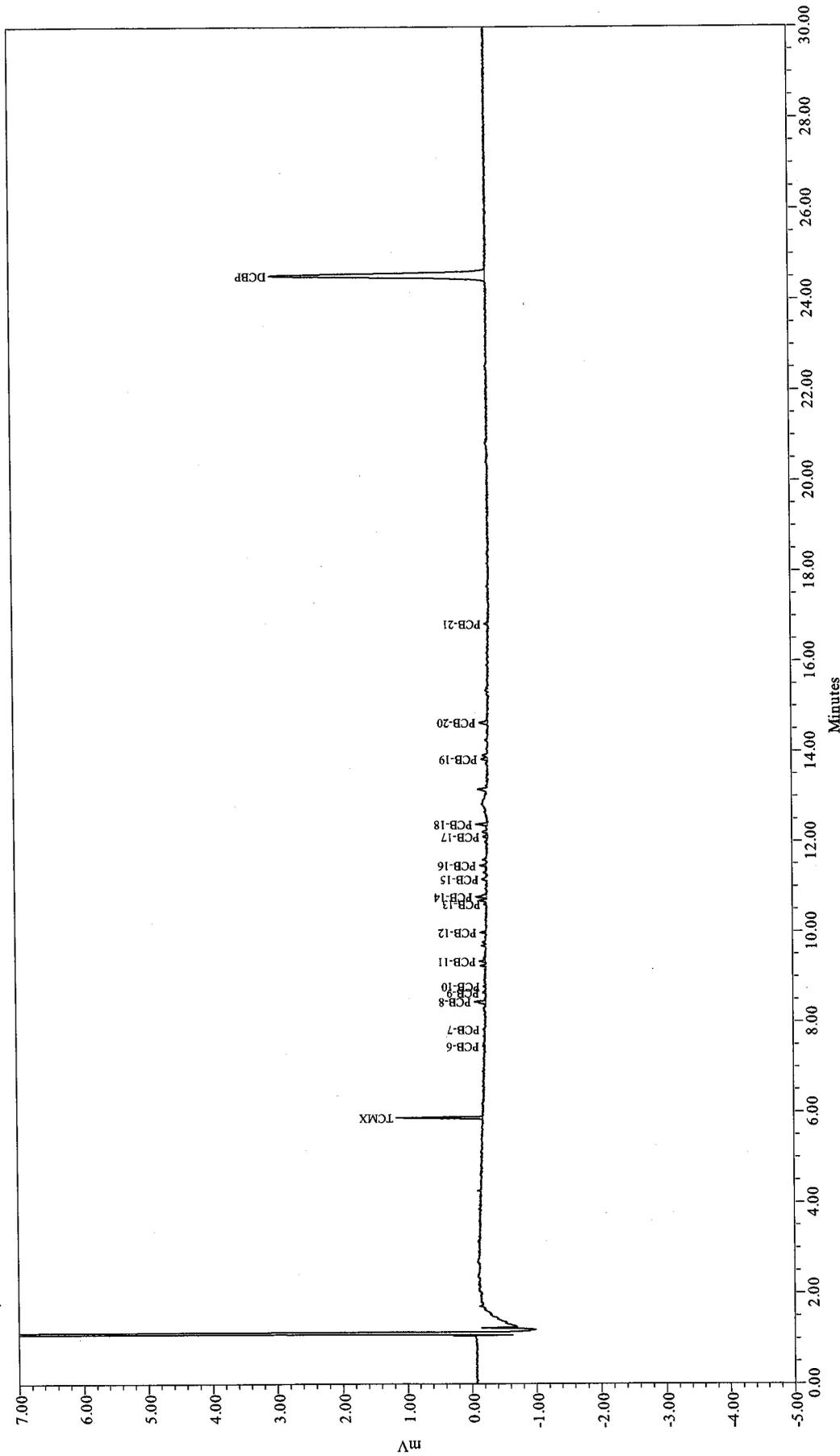
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0810	U
1	11104-28-2	Aroclor 1221	0.0810	U
1	11141-16-5	Aroclor 1232	0.0810	U
1	53469-21-9	Aroclor 1242	0.0861	AD
1	12672-29-6	Aroclor 1248	0.0810	U
1	11097-69-1	Aroclor 1254	0.110	AF
1	11096-82-5	Aroclor 1260	0.0810	U

**Laboratory Qualifiers:**

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20802  
Sample ID: P2SD-16A-01  
Date Acquired: 12/26/2008 19:51:14 EST

Sample Amount (g): 6.1730  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-18



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Sample Name:	AL20802	Sample Amount (g) :	6.1730
Sample ID:	P2SD-16A-01	Dilution:	25
Date Acquired:	12/26/2008 19:51:14 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:48:22 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:40:49 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-18

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2079	9.033	90.3	
2	PCB-6	7.46	bv	78			
3	PCB-7	7.84	bb	61			
4	PCB-8	8.45	bv	473			
5	PCB-9	8.65	bb	120			
6	PCB-10	8.79	bb	77			
7	PCB-11	9.35	bb	201			
8	PCB-12	9.99	bb	177			
9	PCB-13	10.62	bb	43			
10	PCB-14	10.78	bb	479			
11	PCB-15	11.17	bb	150			
12	PCB-16	11.48	bb	194			
13	PCB-17	12.11	bv	180			
14	PCB-18	12.39	vb	447			
15	PCB-19	13.84	bv	268			
16	PCB-20	14.64	bb	409			
17	PCB-21	16.84	bb	116			
18	DCBP	24.54	bb	19634	93.785		93.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	809	15.626	0.06328	0.0810	NR	
2	A1232	731	33.391	0.13523	0.0810	NR	
3	A1232-8/9	137	17.967	0.07277	0.0810	NR	
4	A1242	809	21.258	0.08609	0.0810	X	AD
5	A1248	1050	29.635	0.12002	0.0810	NR	
6	A1248-11/15	699	30.281	0.12264	0.0810	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
7	A1248-14/15	420	22.039	0.08926	0.0810	NR	
8	A1254	1499	27.150	0.10996	0.0810	X	AF
9	A1254-17/18	872	27.368	0.11084	0.0810	NR	
10	A1254-19/20	821	24.304	0.09843	0.0810	NR	
11	A1254-20	1090	24.616	0.09969	0.0810	NR	
12	A1260	526	8.578	0.03474	0.0810	NR	
13	A1260-20	116	2.902	0.01175	0.0810	NR	
14	A1260-23/24	526	9.719	0.03936	0.0810	NR	
15	A1262	526				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-08</u>
Matrix: <u>Sediment</u>	Client ID: <u>P2SD-17A-01</u>
Sample wt(Dry)/vol: <u>6.4433 g</u>	Lab Sample ID: <u>AL20803</u>
Percent Moisture: <u>36.5</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-19

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

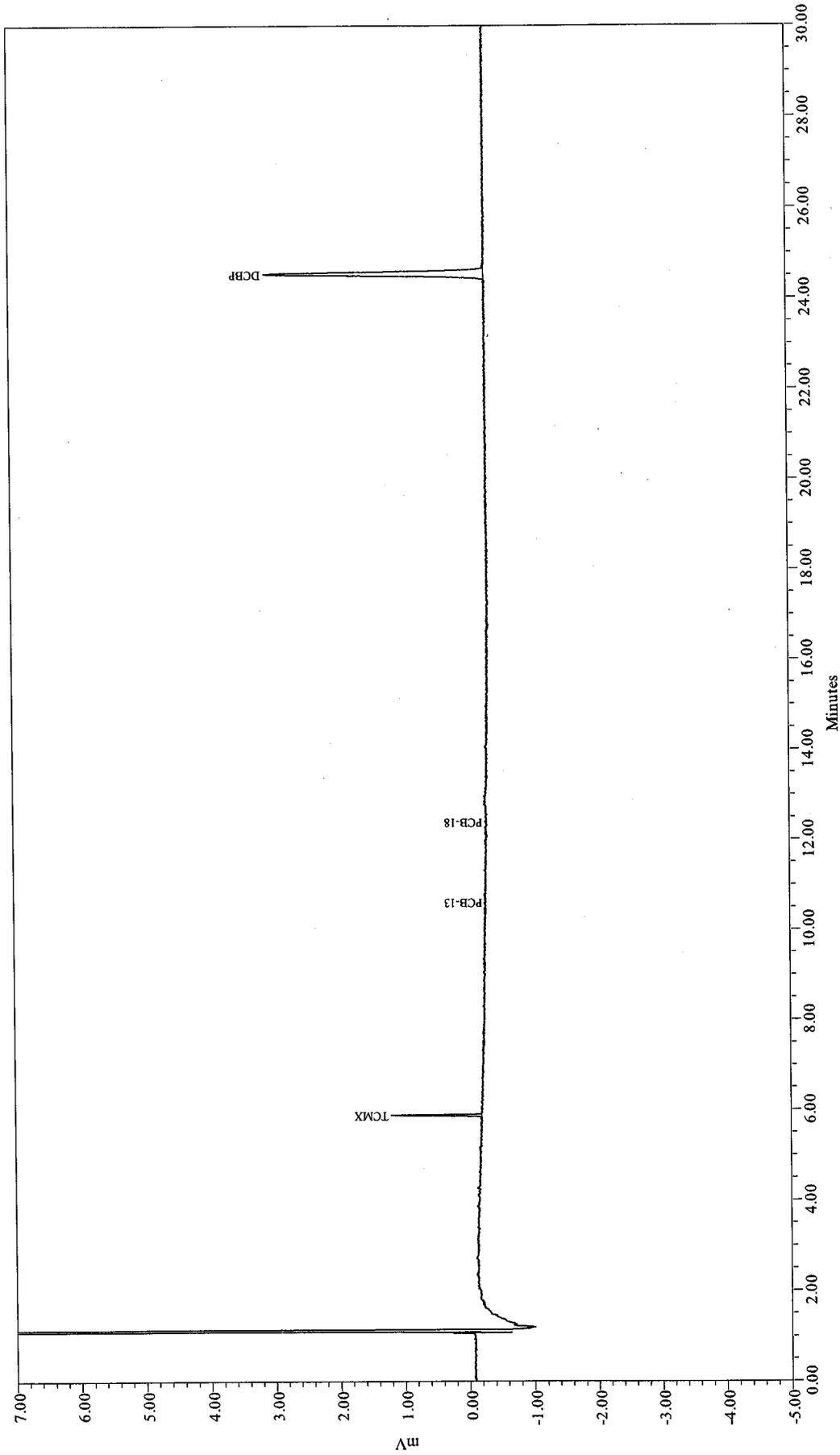
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0776	U
1	11104-28-2	Aroclor 1221	0.0776	U
1	11141-16-5	Aroclor 1232	0.0776	U
1	53469-21-9	Aroclor 1242	0.0776	U
1	12672-29-6	Aroclor 1248	0.0776	U
1	11097-69-1	Aroclor 1254	0.0776	U
1	11096-82-5	Aroclor 1260	0.0776	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20803  
Sample ID: P2SD-17A-01  
Date Acquired: 12/26/2008 20:23:49 EST

Sample Amount (g): 6.4430  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-19



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Sample Name:	AL20803	Sample Amount (g):	6.4430
Sample ID:	P2SD-17A-01	Dilution:	25
Date Acquired:	12/26/2008 20:23:49 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:48:48 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:48 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-19

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2100	9.124	91.2	
2	PCB-13	10.61	bb	7			
3	PCB-18	12.40	bb	6			
4	DCBP	24.54	bb	19620	93.720		93.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	7	0.324	0.00126	0.0776	NR	
2	A1248-11/15	7	0.362	0.00140	0.0776	NR	
3	A1248-14/15	7			0.0776	NR	
4	A1254	6			0.0776	NR	
5	A1254-19/20	6			0.0776	NR	
6	A1254-20	6			0.0776	NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-09</u>
Matrix:	<u>Sediment</u>	Client ID:	<u>P2SD-17A-03</u>
Sample wt(Dry)/vol:	<u>6.6663 g</u>	Lab Sample ID:	<u>AL20804</u>
Percent Moisture:	<u>37.5</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-21

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

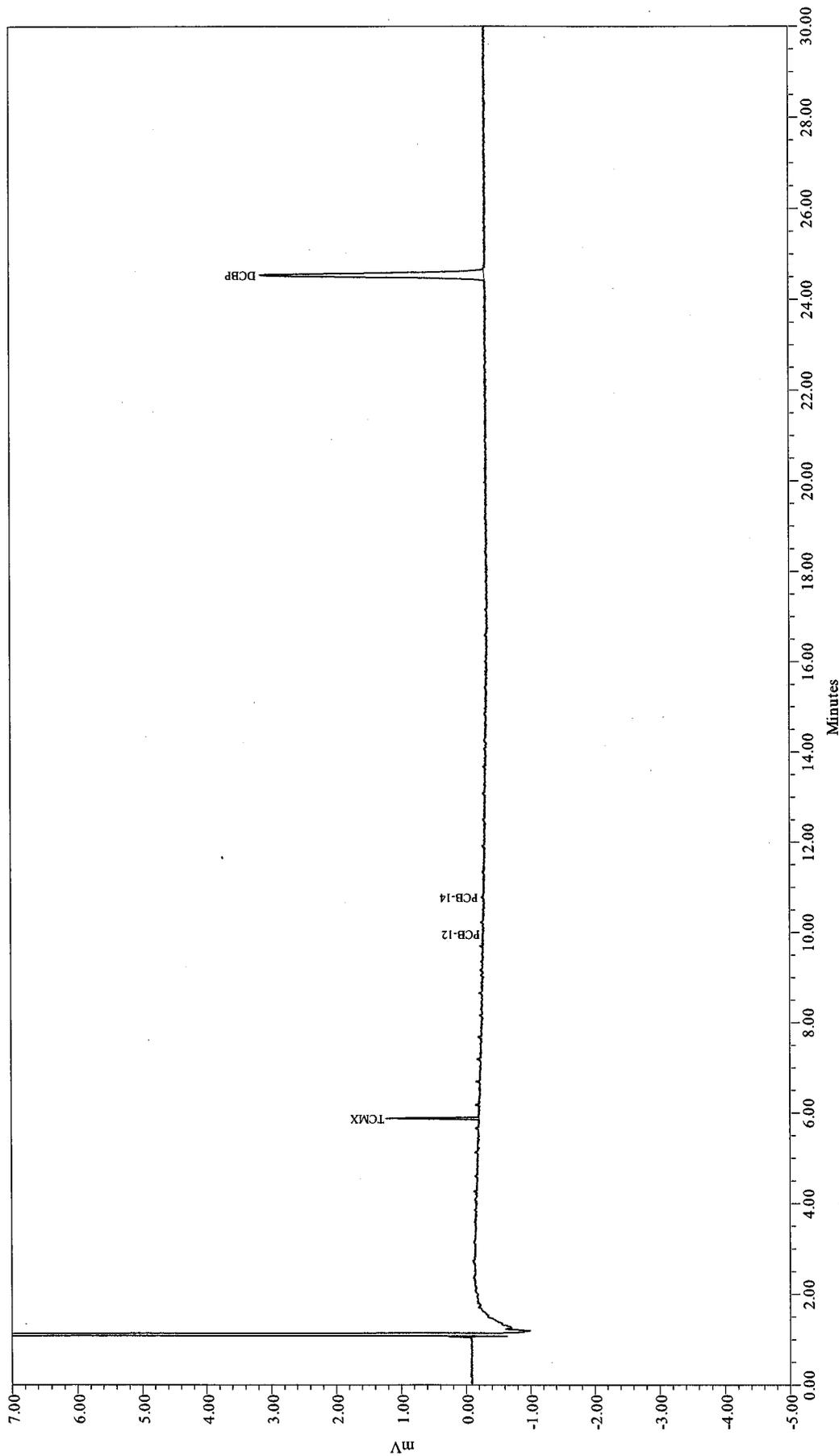
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.0750	U
1	11104-28-2	Aroclor 1221	0.0750	U
1	11141-16-5	Aroclor 1232	0.0750	U
1	53469-21-9	Aroclor 1242	0.0750	U
1	12672-29-6	Aroclor 1248	0.0750	U
1	11097-69-1	Aroclor 1254	0.0750	U
1	11096-82-5	Aroclor 1260	0.0750	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20804  
Sample ID: P2SD-17A-03  
Date Acquired: 12/26/2008 21:29:02 EST

Sample Amount (g) : 6.6660  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-21



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Sample Name:	AL20804	Sample Amount (g) :	6.6660
Sample ID:	P2SD-17A-03	Dilution:	25
Date Acquired:	12/26/2008 21:29:02 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:49:38 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:41:03 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-21

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2228	9.700	97.0	
2	PCB-12	9.96	bb	27			
3	PCB-14	10.78	bb	64			
4	DCBP	24.54	bb	20602	98.532		98.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	91	2.697	0.01011	0.0750	NR	
2	A1248-11/15	91	4.013	0.01505	0.0750	NR	
3	A1248-14/15	27			0.0750	NR	

**1D-1**  
**PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-10</u>
Matrix: <u>Soil</u>	Client ID: <u>P2SL-18A-01</u>
Sample wt(Dry)/vol: <u>6.2688 g</u>	Lab Sample ID: <u>AL20805</u>
Percent Moisture: <u>40.0</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M, ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-22

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

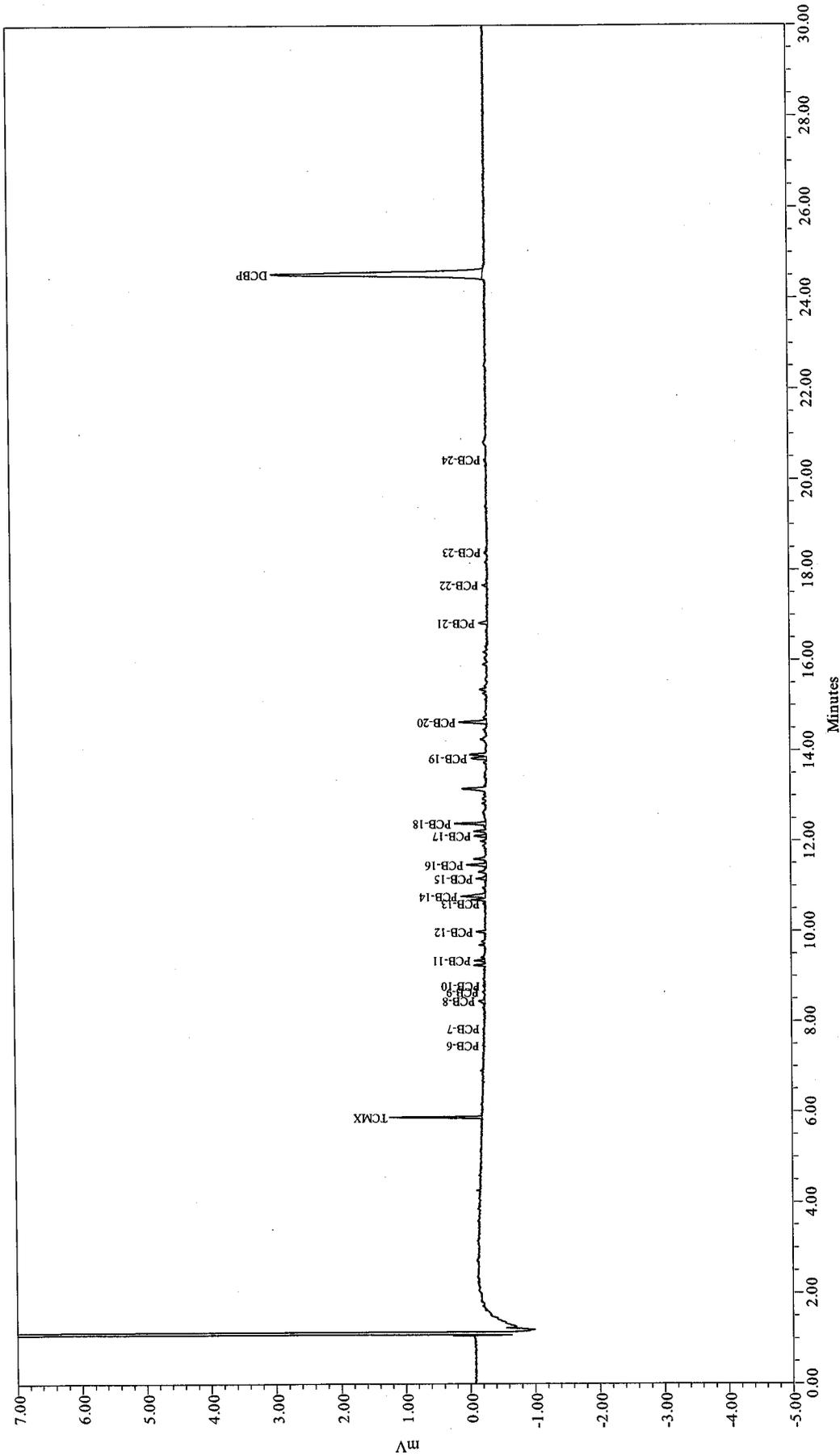
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0798	U
1	11104-28-2	Aroclor 1221	0.0798	U
1	11141-16-5	Aroclor 1232	0.0798	U
1	53469-21-9	Aroclor 1242	0.0798	U
1	12672-29-6	Aroclor 1248	0.0798	U
1	11097-69-1	Aroclor 1254	0.323	AF
1	11096-82-5	Aroclor 1260	0.0798	U

Laboratory Qualifiers:

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20805  
Sample ID: P2SL-18A-01  
Date Acquired: 12/26/2008 22:01:38 EST

Sample Amount (g): 6.2690  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-22



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Sample Name:	AL20805	Sample Amount (g) :	6.2690
Sample ID:	P2SL-18A-01	Dilution:	25
Date Acquired:	12/26/2008 22:01:38 EST	Extract Volume:	25
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/29/2008 07:51:07 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:41:17 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-22

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2151	9.356	93.6	
2	PCB-6	7.48	bb	31			
3	PCB-7	7.85	bb	21			
4	PCB-8	8.46	bb	325			
5	PCB-9	8.66	bb	100			
6	PCB-10	8.80	vb	67			
7	PCB-11	9.36	bb	320			
8	PCB-12	10.00	bb	290			
9	PCB-13	10.62	bv	78			
10	PCB-14	10.78	Vb	1134			
11	PCB-15	11.17	bB	424			
12	PCB-16	11.48	Vb	733			
13	PCB-17	12.12	bB	462			
14	PCB-18	12.39	vb	1228			
15	PCB-19	13.84	bV	640			
16	PCB-20	14.64	bb	1225			
17	PCB-21	16.84	bb	372			
18	PCB-22	17.68	bb	180			
19	PCB-23	18.41	bb	61			
20	PCB-24	20.45	bb	57			
21	DCBP	24.54	bb	19201	91.665		91.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	544	9.484	0.03782	0.0798	NR	
2	A1232	513	23.224	0.09261	0.0798	NR	
3	A1232-8/9	88	12.997	0.05183	0.0798	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
4	A1242	544	14.023	0.05592	0.0798	NR	
5	A1248	2246	63.233	0.25217	0.0798	NR	
6	A1248-11/15	1501	64.993	0.25918	0.0798	NR	
7	A1248-14/15	687	38.034	0.15168	0.0798	NR	
8	A1254	4288	80.891	0.32258	0.0798	X	AF
9	A1254-17/18	2598	83.537	0.33314	0.0798	NR	
10	A1254-19/20	2424	76.932	0.30679	0.0798	NR	
11	A1254-20	3063	74.142	0.29567	0.0798	NR	
12	A1260	1896	33.177	0.13231	0.0798	NR	
13	A1260-20	671	16.871	0.06728	0.0798	NR	
14	A1260-23/24	1778	36.887	0.14710	0.0798	NR	
15	A1262	1896				NR	
16	A1268	118				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-11</u>
Matrix:	<u>Soil</u>	Client ID:	<u>P2SL-18B-01</u>
Sample wt(Dry)/vol:	<u>5.7280 g</u>	Lab Sample ID:	<u>AL20806</u>
Percent Moisture:	<u>43.5</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-25

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

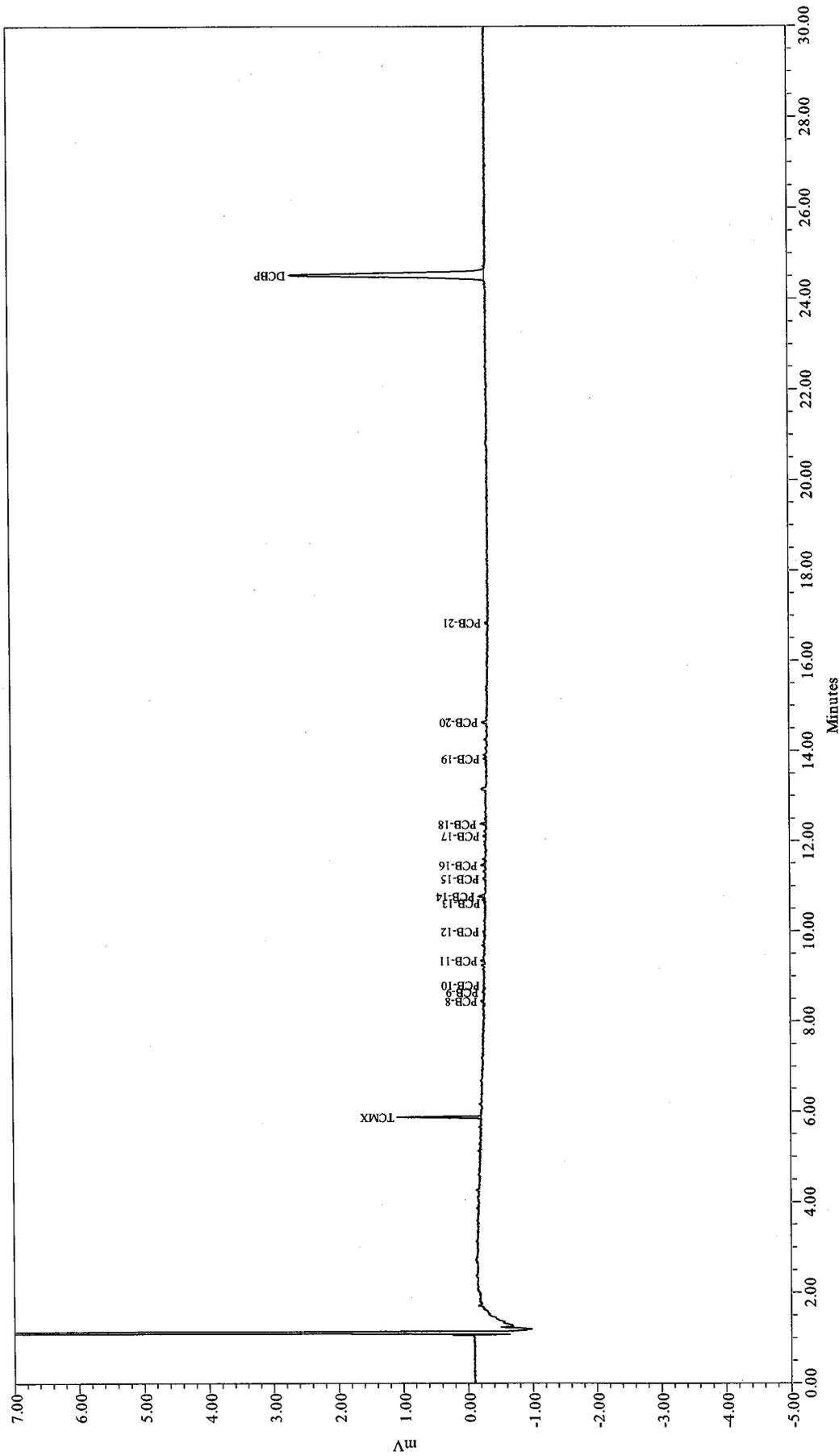
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0873	U
1	11104-28-2	Aroclor 1221	0.0873	U
1	11141-16-5	Aroclor 1232	0.0873	U
1	53469-21-9	Aroclor 1242	0.0873	U
1	12672-29-6	Aroclor 1248	0.0873	U
1	11097-69-1	Aroclor 1254	0.0873	U
1	11096-82-5	Aroclor 1260	0.0873	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20806  
 Sample ID: P2SL-18B-01  
 Date Acquired: 12/26/2008 23:39:26 EST

Sample Amount (g): 5.7280  
 Dilution: 25  
 Processing Method: GC20F\_8082CC\_120108  
 LIMS File ID: GC20F-326-25



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Sample Name:	AL20806	Sample Amount (g) :	5.7280
Sample ID:	P2SL-18B-01	Dilution:	25
Date Acquired:	12/26/2008 23:39:26 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:56:38 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:41:40 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-25

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	1955	8.475	84.7	
2	PCB-8	8.46	bb	95			
3	PCB-9	8.66	bb	44			
4	PCB-10	8.81	bb	14			
5	PCB-11	9.35	bb	110			
6	PCB-12	10.00	bb	64			
7	PCB-13	10.63	bb	30			
8	PCB-14	10.78	bb	224			
9	PCB-15	11.17	bb	79			
10	PCB-16	11.47	bb	154			
11	PCB-17	12.12	bb	85			
12	PCB-18	12.39	bb	221			
13	PCB-19	13.84	bb	89			
14	PCB-20	14.65	bb	164			
15	PCB-21	16.85	bb	86			
16	DCBP	24.53	bb	17875	85.168		85.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	152	0.397	0.00173	0.0873	NR	
2	A1232	152	6.399	0.02793	0.0873	NR	
3	A1232-8/9	14	5.501	0.02401	0.0873	NR	
4	A1242	152	3.320	0.01449	0.0873	NR	
5	A1248	507	14.375	0.06274	0.0873	NR	
6	A1248-11/15	318	13.827	0.06035	0.0873	NR	
7	A1248-14/15	204	9.055	0.03952	0.0873	NR	
8	A1254	713	12.002	0.05238	0.0873	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
9	A1254-17/18	407	12.245	0.05344	0.0873	NR	
10	A1254-19/20	460	12.437	0.05428	0.0873	NR	
11	A1254-20	549	11.034	0.04816	0.0873	NR	
12	A1260	251	3.643	0.01590	0.0873	NR	
13	A1260-20	86	2.147	0.00937	0.0873	NR	
14	A1260-23/24	251	3.754	0.01639	0.0873	NR	
15	A1262	251				NR	

**1D-1**  
**PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-12</u>
Matrix: <u>Sediment</u>	Client ID: <u>P2SD-19A-01</u>
Sample wt(Dry)/vol: <u>7.4182 g</u>	Lab Sample ID: <u>AL20807</u>
Percent Moisture: <u>30.6</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/27/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-26

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

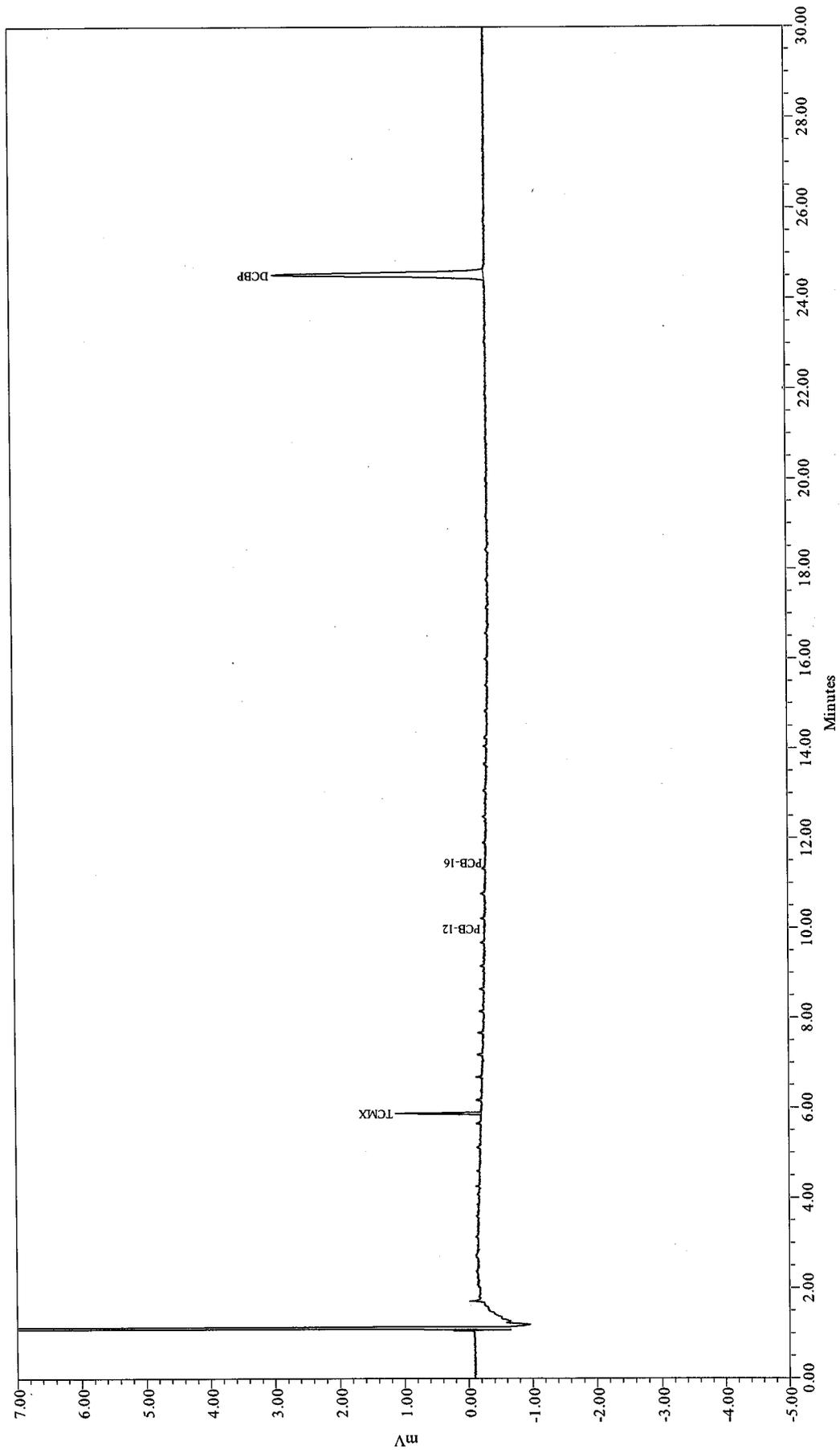
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0674	U
1	11104-28-2	Aroclor 1221	0.0674	U
1	11141-16-5	Aroclor 1232	0.0674	U
1	53469-21-9	Aroclor 1242	0.0674	U
1	12672-29-6	Aroclor 1248	0.0674	U
1	11097-69-1	Aroclor 1254	0.0674	U
1	11096-82-5	Aroclor 1260	0.0674	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20807  
Sample ID: P2SD-19A-01  
Date Acquired: 12/27/2008 00:12:03 EST

Sample Amount (g): 7.4180  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-26



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Sample Name:	AL20807	Sample Amount (g):	7.4180
Sample ID:	P2SD-19A-01	Dilution:	25
Date Acquired:	12/27/2008 00:12:03 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:57:03 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:41:48 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-26

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2086	9.063	90.6	
2	PCB-12	10.00	bb	7			
3	PCB-16	11.47	bb	11			
4	DCBP	24.53	bb	19356	92.424		92.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	7	0.319	0.00108	0.0674	NR	
2	A1248-11/15	7	0.354	0.00119	0.0674	NR	
3	A1248-14/15	7			0.0674	NR	
4	A1254	11			0.0674	NR	
5	A1254-17/18	11			0.0674	NR	
6	A1254-19/20	11			0.0674	NR	
7	A1254-20	11			0.0674	NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-13</u>
Matrix: <u>Sediment</u>	Client ID: <u>P2SD-20A-01</u>
Sample wt(Dry)/vol: <u>4.8594 g</u>	Lab Sample ID: <u>AL20808</u>
Percent Moisture: <u>54.5</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/27/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-27

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

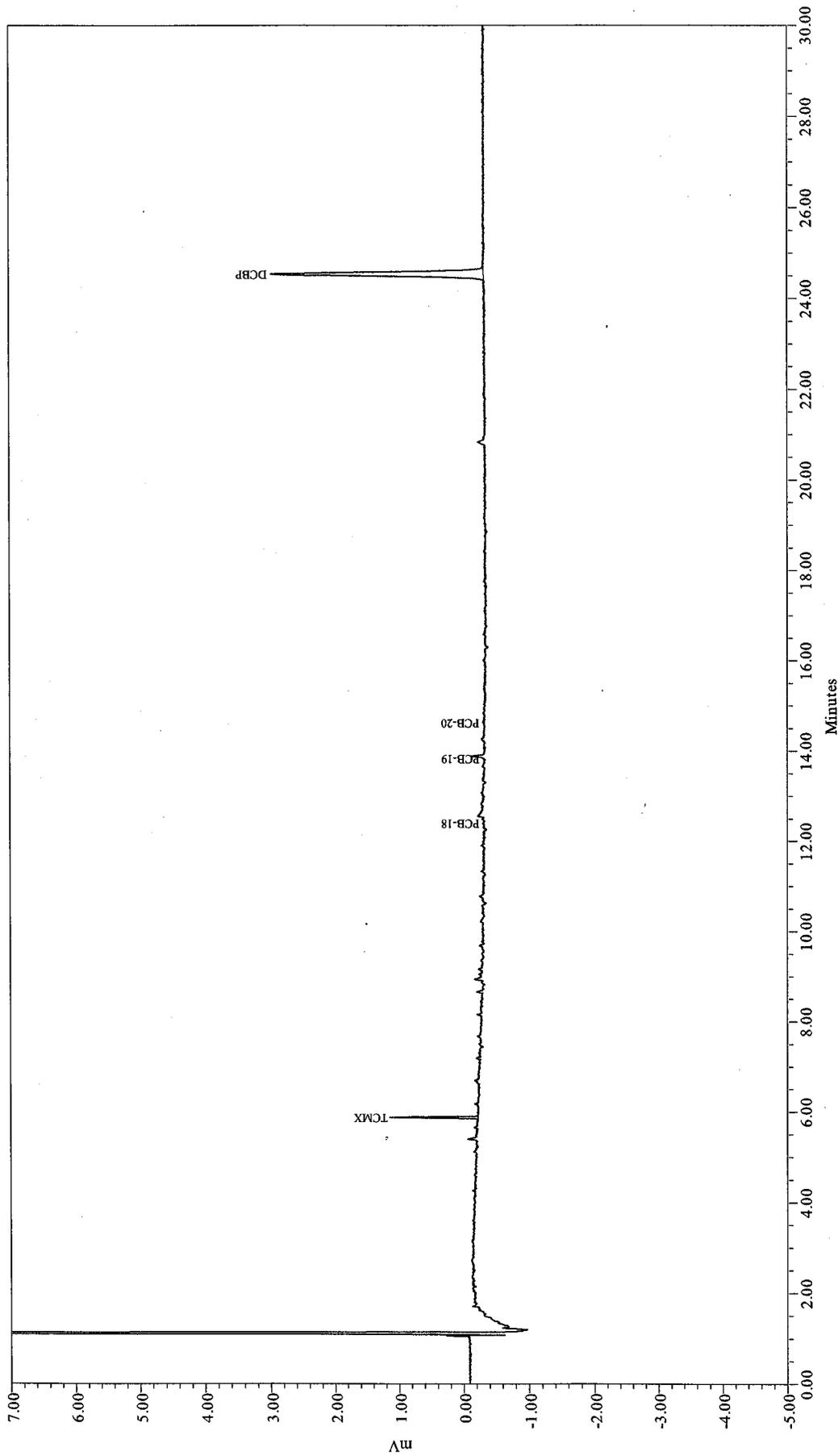
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.103	U
1	11104-28-2	Aroclor 1221	0.103	U
1	11141-16-5	Aroclor 1232	0.103	U
1	53469-21-9	Aroclor 1242	0.103	U
1	12672-29-6	Aroclor 1248	0.103	U
1	11097-69-1	Aroclor 1254	0.103	U
1	11096-82-5	Aroclor 1260	0.103	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20808  
Sample ID: P2SD-20A-01  
Date Acquired: 12/27/2008 00:44:38 EST

Sample Amount (g): 4.8590  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-27



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 Phone: (518) 346-4592 Fax: (518) 381-6055  
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Sample Name: AL20808 Sample Amount (g) : 4.8590  
 Sample ID: P2SD-20A-01 Dilution: 25  
 Date Acquired: 12/27/2008 00:44:38 EST Extract Volume: 25  
 Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/29/2008 07:58:33 EST  
 Sample Set Name: GC20F\_8082s\_122608 User Name: Kari Lantiegne (KariL)  
 Processing Method: GC20F\_8082CC\_120108 Current Date: 12/29/2008  
 Run Time: 30.0 Minutes Current Time: 10:42:00 US/Eastern  
 Report Name: Solid\_ugg\_LIMS\_PQL LIMS File ID: GC20F-326-27

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2129	9.255	92.5	
2	PCB-18	12.41	bb	17			
3	PCB-19	13.84	bb	10			
4	PCB-20	14.63	bb	19			
5	DCBP	24.54	bb	19355	92.420		92.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1254	47			0.103	NR	
2	A1254-17/18	30			0.103	NR	
3	A1254-19/20	17			0.103	NR	
4	A1254-20	27			0.103	NR	
5	A1260-23/24	19			0.103	NR	
6	A1260	19			0.103	NR	
7	A1262	19				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-14</u>
Matrix:	<u>Sediment</u>	Client ID:	<u>P2SD-21A-01</u>
Sample wt(Dry)/vol:	<u>4.6287 g</u>	Lab Sample ID:	<u>AL20809</u>
Percent Moisture:	<u>55.6</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/27/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-28

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

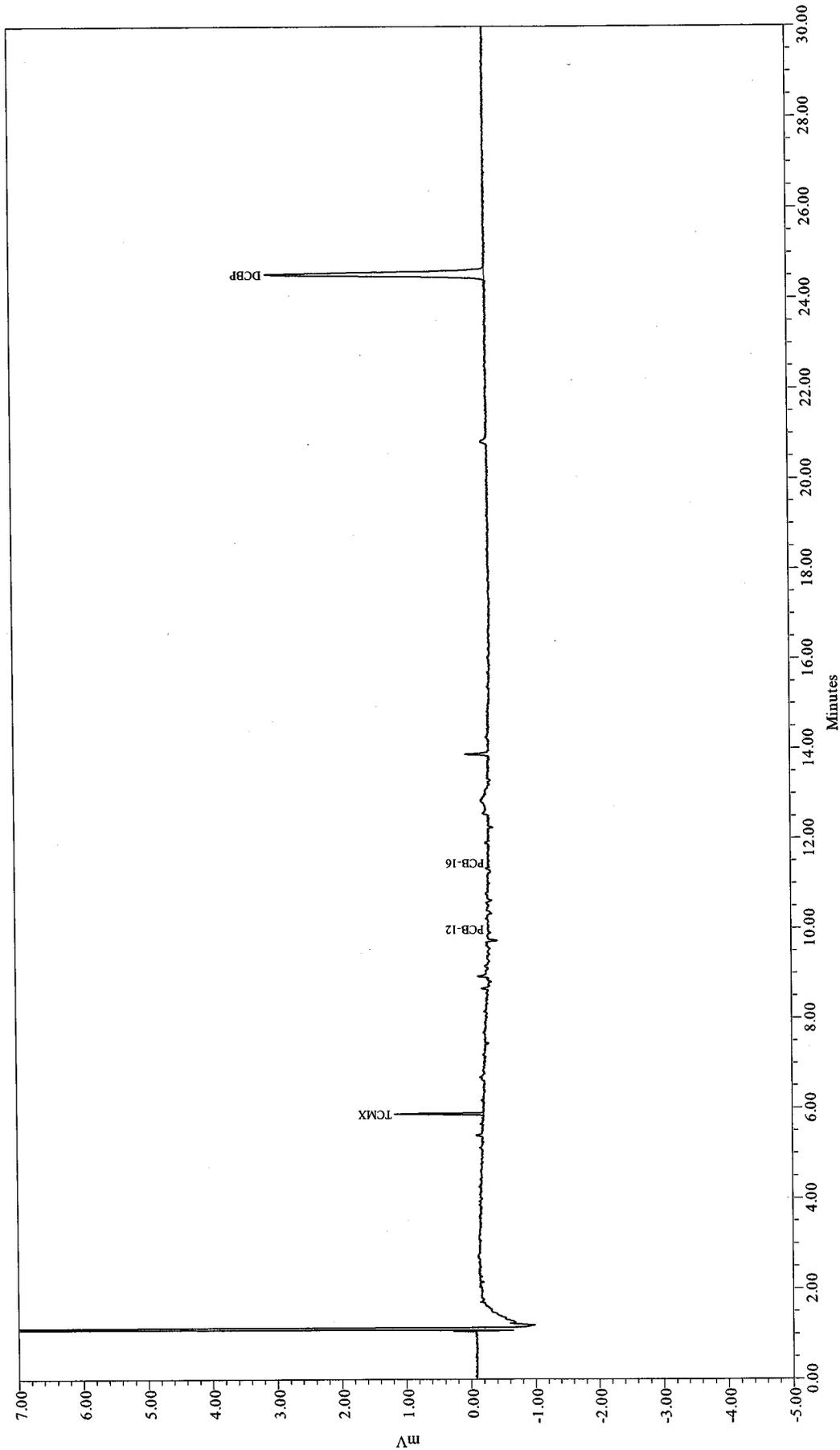
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.108	U
1	11104-28-2	Aroclor 1221	0.108	U
1	11141-16-5	Aroclor 1232	0.108	U
1	53469-21-9	Aroclor 1242	0.108	U
1	12672-29-6	Aroclor 1248	0.108	U
1	11097-69-1	Aroclor 1254	0.108	U
1	11096-82-5	Aroclor 1260	0.108	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20809  
Sample ID: P2SD-21A-01  
Date Acquired: 12/27/2008 01:17:13 EST

Sample Amount (g): 4.6290  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-28



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Sample Name:	AL20809	Sample Amount (g) :	4.6290
Sample ID:	P2SD-21A-01	Dilution:	25
Date Acquired:	12/27/2008 01:17:13 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:59:15 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:01 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-28

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2105	9.147	91.5	
2	PCB-12	9.99	bb	4			
3	PCB-16	11.47	bb	5			
4	DCBP	24.54	bb	19785	94.528		94.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	4	0.235	0.00127	0.108	NR	
2	A1248-11/15	4	0.224	0.00121	0.108	NR	
3	A1248-14/15	4			0.108	NR	
4	A1254	5			0.108	NR	
5	A1254-17/18	5			0.108	NR	
6	A1254-19/20	5			0.108	NR	
7	A1254-20	5			0.108	NR	

**1D-1**  
**PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-15</u>
Matrix: <u>Sediment</u>	Client ID: <u>P2SD-22A-01</u>
Sample wt(Dry)/vol: <u>5.6061 g</u>	Lab Sample ID: <u>AL20810</u>
Percent Moisture: <u>46.7</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/27/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-29

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

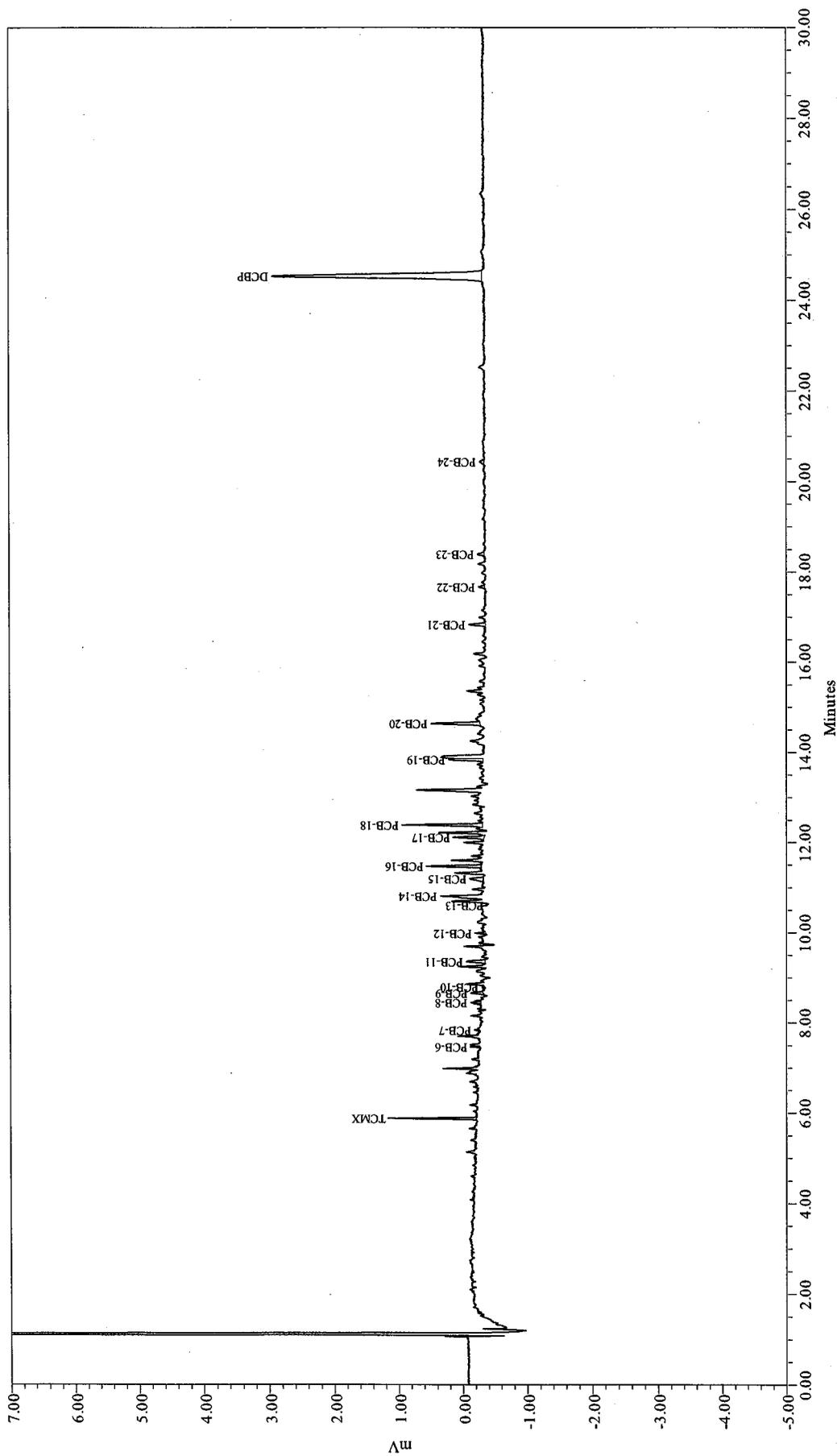
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0892	U
1	11104-28-2	Aroclor 1221	0.0892	U
1	11141-16-5	Aroclor 1232	0.0892	U
1	53469-21-9	Aroclor 1242	0.134	AD
1	12672-29-6	Aroclor 1248	0.0892	U
1	11097-69-1	Aroclor 1254	0.790	AF
1	11096-82-5	Aroclor 1260	0.173	AG

**Laboratory Qualifiers:**

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20810  
Sample ID: P2SD-22A-01  
Date Acquired: 12/27/2008 01:49:49 EST

Sample Amount (g): 5.6060  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-29



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Sample Name:	AL20810	Sample Amount (g) :	5.6060
Sample ID:	P2SD-22A-01	Dilution:	25
Date Acquired:	12/27/2008 01:49:49 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 08:00:41 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:10 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-29

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2072	9.001	90.0	
2	PCB-6	7.47	bV	247			
3	PCB-7	7.84	bb	133			
4	PCB-8	8.45	VV	266			
5	PCB-9	8.66	bb	444			
6	PCB-10	8.80	bb	39			
7	PCB-11	9.36	bb	878			
8	PCB-12	9.99	bb	295			
9	PCB-13	10.61	bb	25			
10	PCB-14	10.81	bb	1977			
11	PCB-15	11.20	bb	756			
12	PCB-16	11.47	bb	1845			
13	PCB-17	12.11	bV	1192			
14	PCB-18	12.39	vb	2924			
15	PCB-19	13.84	bV	1302			
16	PCB-20	14.64	bb	2022			
17	PCB-21	16.84	bb	700			
18	PCB-22	17.68	bb	252			
19	PCB-23	18.40	bb	339			
20	PCB-24	20.44	bb	252			
21	DCBP	24.53	bb	19242	91.866		91.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	1129	23.068	0.10287	0.0892	NR	
2	A1232	882	40.462	0.18044	0.0892	NR	
3	A1232-8/9	173	21.578	0.09623	0.0892	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
4	A1242	1129	30.024	0.13389	0.0892	X	AD
5	A1248	3930	110.562	0.49305	0.0892	NR	
6	A1248-11/15	2296	99.369	0.44314	0.0892	NR	
7	A1248-14/15	1198	68.603	0.30594	0.0892	NR	
8	A1254	9284	177.160	0.79005	0.0892	X	AF
9	A1254-17/18	5168	167.217	0.74571	0.0892	NR	
10	A1254-19/20	5961	193.117	0.86121	0.0892	NR	
11	A1254-20	7262	179.533	0.80063	0.0892	NR	
12	A1260	3564	63.118	0.28147	0.0892	NR	
13	A1260-20	1542	38.806	0.17306	0.0892	X	AG
14	A1260-24	2974	62.822	0.28015	0.0892	NR	
15		3564				NR	
16		591				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-16</u>
Matrix: <u>Soil</u>	Client ID: <u>P2SL-23A-01</u>
Sample wt(Dry)/vol: <u>4.3023 g</u>	Lab Sample ID: <u>AL20811</u>
Percent Moisture: <u>57.8</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/27/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>20</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-31

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

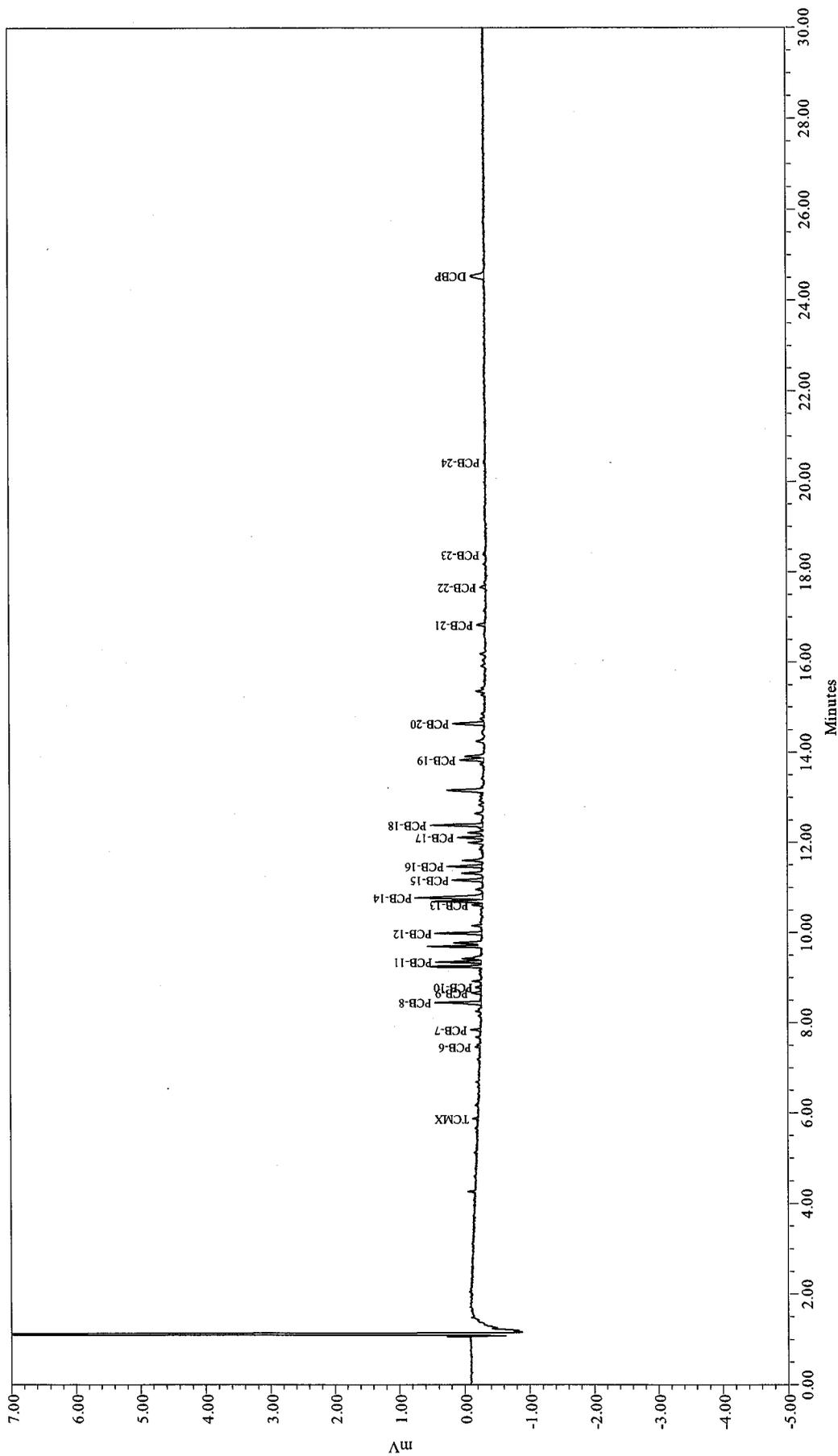
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	2.32	U
1	11104-28-2	Aroclor 1221	2.32	U
1	11141-16-5	Aroclor 1232	2.32	U
1	53469-21-9	Aroclor 1242	8.33	AD
1	12672-29-6	Aroclor 1248	2.32	U
1	11097-69-1	Aroclor 1254	13.8	AF
1	11096-82-5	Aroclor 1260	2.34	AG

**Laboratory Qualifiers:**

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20811  
Sample ID: P2SL-23A-01  
Date Acquired: 12/27/2008 02:54:59 EST

Sample Amount (g): 4.3020  
Dilution: 500  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-31



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Sample Name:	AL20811	Sample Amount (g) :	4.3020
Sample ID:	P2SL-23A-01	Dilution:	500
Date Acquired:	12/27/2008 02:54:59 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 08:02:28 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:11 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-31

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	143	0.317	63.4	
2	PCB-6	7.47	bv	165			
3	PCB-7	7.85	bb	272			
4	PCB-8	8.45	bb	1645			
5	PCB-9	8.67	bb	373			
6	PCB-10	8.79	bb	198			
7	PCB-11	9.35	bV	1299			
8	PCB-12	9.99	bb	1569			
9	PCB-13	10.62	bV	323			
10	PCB-14	10.78	Vb	3240			
11	PCB-15	11.17	bb	1081			
12	PCB-16	11.47	bb	1143			
13	PCB-17	12.12	VB	882			
14	PCB-18	12.39	vb	1944			
15	PCB-19	13.84	bV	989			
16	PCB-20	14.64	bb	1288			
17	PCB-21	16.83	bb	342			
18	PCB-22	17.67	bb	232			
19	PCB-23	18.39	bb	116			
20	PCB-24	20.43	bb	110			
21	DCBP	24.54	bb	1184	3.373		67.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	2653	58.426	6.79056	2.32	NR	
2	A1232	2488	115.412	13.41376	2.32	NR	
3	A1232-8/9	470	51.687	6.00727	2.32	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
4	A1242	2653	71.672	8.33005	2.32	X	AD
5	A1248	7513	211.228	24.54993	2.32	NR	
6	A1248-11/15	5133	222.016	25.80381	2.32	NR	
7	A1248-14/15	3192	188.081	21.85970	2.32	NR	
8	A1254	6246	118.607	13.78505	2.32	X	AF
9	A1254-17/18	3420	110.292	12.81870	2.32	NR	
10	A1254-19/20	3969	127.681	14.83969	2.32	NR	
11	A1254-20	4958	121.691	14.14352	2.32	NR	
12	A1260	2088	36.616	4.25564	2.32	NR	
13	A1260-20	800	20.113	2.33764	2.32	X	AG
14	A1260-23/24	1862	38.718	4.49998	2.32	NR	
15	A1262	2088				NR	
16	A1268	225				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-17</u>
Matrix:	<u>Soil</u>	Client ID:	<u>P2SL-23B-01</u>
Sample wt(Dry)/vol:	<u>4.2649 g</u>	Lab Sample ID:	<u>AL20812</u>
Percent Moisture:	<u>58.9</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/27/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>3</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
Injection Volume: 1.0 uL  
Lab File ID: GC20F-326-32

**Column 2 Information:**

GC Column: NA  
Injection Volume: NA  
Lab File ID: NA

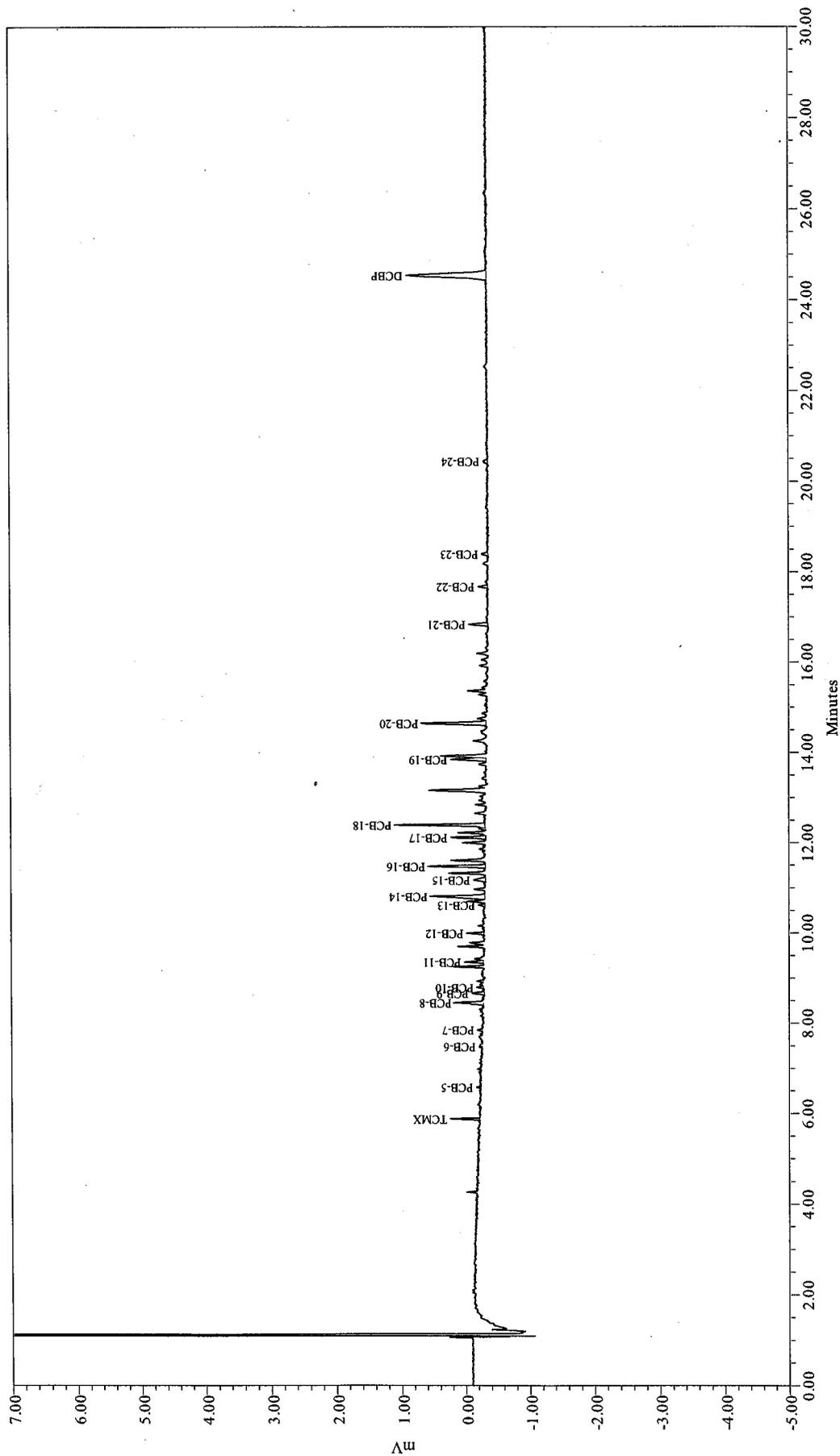
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.352	U
1	11104-28-2	Aroclor 1221	0.352	U
1	11141-16-5	Aroclor 1232	0.352	U
1	53469-21-9	Aroclor 1242	1.00	AD
1	12672-29-6	Aroclor 1248	0.352	U
1	11097-69-1	Aroclor 1254	3.77	AF
1	11096-82-5	Aroclor 1260	0.807	AG

Laboratory Qualifiers:

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20812  
Sample ID: P2SL-23B-01  
Date Acquired: 12/27/2008 03:27:36 EST

Sample Amount (g): 4.2650  
Dilution: 75  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-32



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Sample Name:	AL20812	Sample Amount (g) :	4.2650
Sample ID:	P2SL-23B-01	Dilution:	75
Date Acquired:	12/27/2008 03:27:36 EST	Extract Volume:	25
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/29/2008 08:08:41 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:21 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-32

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	726	2.942	88.3	
2	PCB-5	6.58	bb	103			
3	PCB-6	7.49	bv	69			
4	PCB-7	7.85	bb	132			
5	PCB-8	8.46	bb	1215			
6	PCB-9	8.67	bb	493			
7	PCB-10	8.80	bb	204			
8	PCB-11	9.36	bV	622			
9	PCB-12	9.99	bb	574			
10	PCB-13	10.62	bB	220			
11	PCB-14	10.81	Vb	2660			
12	PCB-15	11.17	bV	652			
13	PCB-16	11.48	Vb	2098			
14	PCB-17	12.12	bV	1295			
15	PCB-18	12.39	Vb	3459			
16	PCB-19	13.85	bV	1480			
17	PCB-20	14.65	bV	2880			
18	PCB-21	16.84	bb	809			
19	PCB-22	17.68	bb	435			
20	PCB-23	18.40	bb	319			
21	PCB-24	20.44	bb	261			
22	DCBP	24.54	bb	6894	31.354		94.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	2113	45.891	0.80699	0.352	NR	
2	A1221	103	8.052	0.14160	0.352	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
3	A1221-2	103	9.047	0.15908	0.352	NR	
4	A1232	2147	99.504	1.74978	0.352	NR	
5	A1232-8/9	439	48.593	0.85451	0.352	NR	
6	A1242	2113	56.906	1.00070	0.352	X	AD
7	A1248	4727	132.968	2.33825	0.352	NR	
8	A1248-11/15	3454	149.415	2.62747	0.352	NR	
9	A1248-14/15	1415	81.637	1.43559	0.352	NR	
10	A1254	11211	214.285	3.76820	0.352	X	AF
11	A1254-17/18	6458	209.180	3.67844	0.352	NR	
12	A1254-19/20	6851	222.363	3.91024	0.352	NR	
13	A1254-20	8331	206.359	3.62883	0.352	NR	
14	A1260	4704	83.563	1.46946	0.352	NR	
15	A1260-20	1824	45.890	0.80698	0.352	X	AG
16	A1260-23/24	4124	87.773	1.54348	0.352	NR	
17	A1262	4704				NR	
18	A1268	580				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-18</u>
Matrix:	<u>Soil</u>	Client ID:	<u>P2SL-23C-01</u>
Sample wt(Dry)/vol:	<u>4.0238 g</u>	Lab Sample ID:	<u>AL20813</u>
Percent Moisture:	<u>62.2</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/27/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-33

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

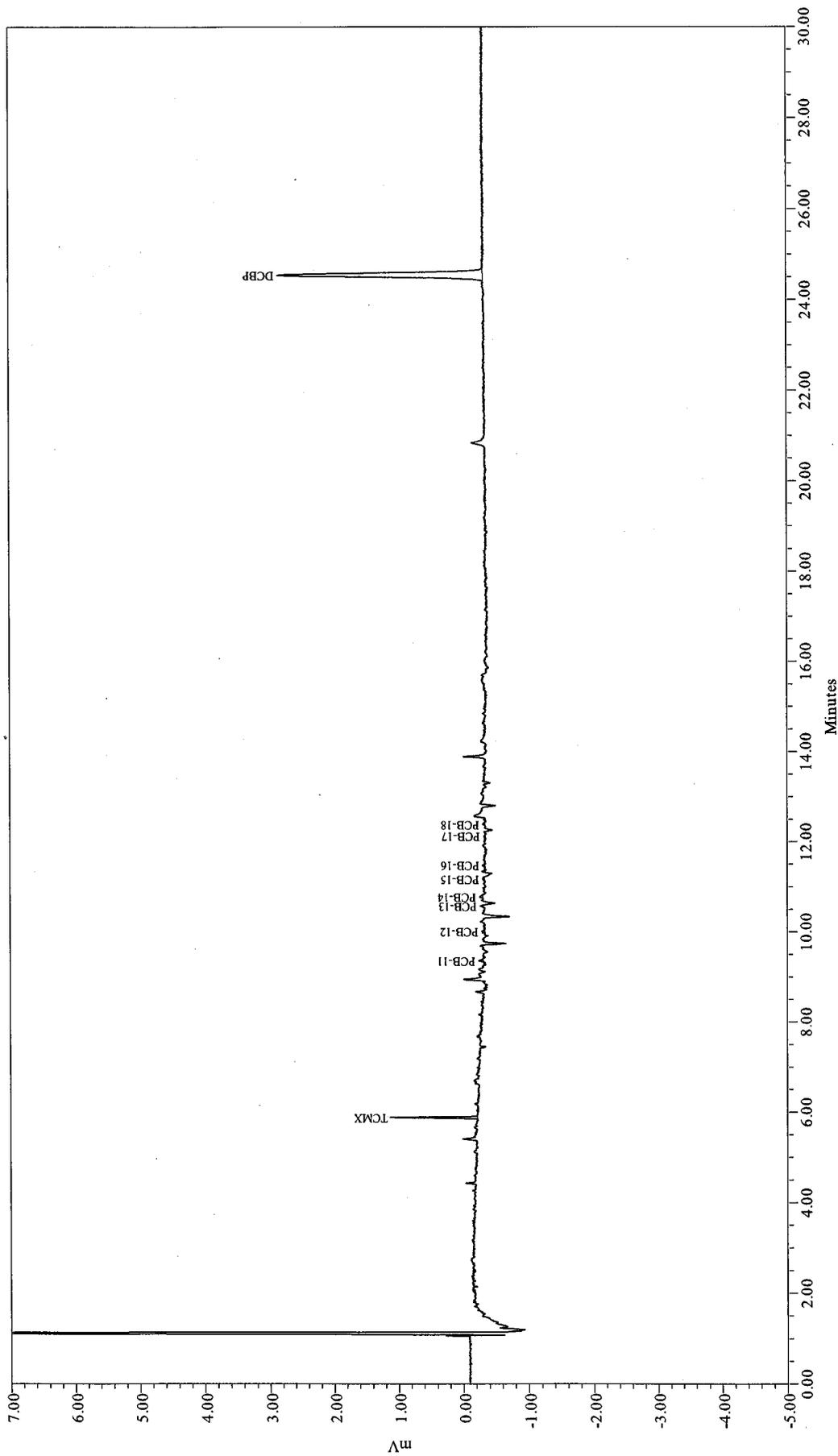
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.124	U
1	11104-28-2	Aroclor 1221	0.124	U
1	11141-16-5	Aroclor 1232	0.124	U
1	53469-21-9	Aroclor 1242	0.124	U
1	12672-29-6	Aroclor 1248	0.124	U
1	11097-69-1	Aroclor 1254	0.124	U
1	11096-82-5	Aroclor 1260	0.124	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20813  
Sample ID: P2SL-23C-01  
Date Acquired: 12/27/2008 04:00:12 EST

Sample Amount (g): 4.0240  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-33



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Sample Name:	AL20813	Sample Amount (g) :	4.0240
Sample ID:	P2SL-23C-01	Dilution:	25
Date Acquired:	12/27/2008 04:00:12 EST	Extract Volume:	25
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/29/2008 10:20:43 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:34 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-33

#### Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2070	8.988	89.9	
2	PCB-11	9.36	bb	134			
3	PCB-12	10.01	bb	125			
4	PCB-13	10.57	bb	109			
5	PCB-14	10.78	bb	131			
6	PCB-15	11.17	bb	64			
7	PCB-16	11.48	bb	68			
8	PCB-17	12.13	bb	45			
9	PCB-18	12.39	bb	89			
10	DCBP	24.54	bb	19339	92.340		92.3

#### Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	562	15.930	0.09897	0.124	NR	
2	A1248-11/15	364	15.821	0.09829	0.124	NR	
3	A1248-14/15	368	18.872	0.11725	0.124	NR	
4	A1254	202	2.154	0.01338	0.124	NR	
5	A1254-17/18	68	1.193	0.00741	0.124	NR	
6	A1254-19/20	202	3.954	0.02456	0.124	NR	
7	A1254-20	202	2.330	0.01448	0.124	NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-19</u>
Matrix:	<u>Soil</u>	Client ID:	<u>P2SL-24A-01</u>
Sample wt(Dry)/vol:	<u>3.8296 g</u>	Lab Sample ID:	<u>AL20814</u>
Percent Moisture:	<u>63.3</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/27/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>20</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-34

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

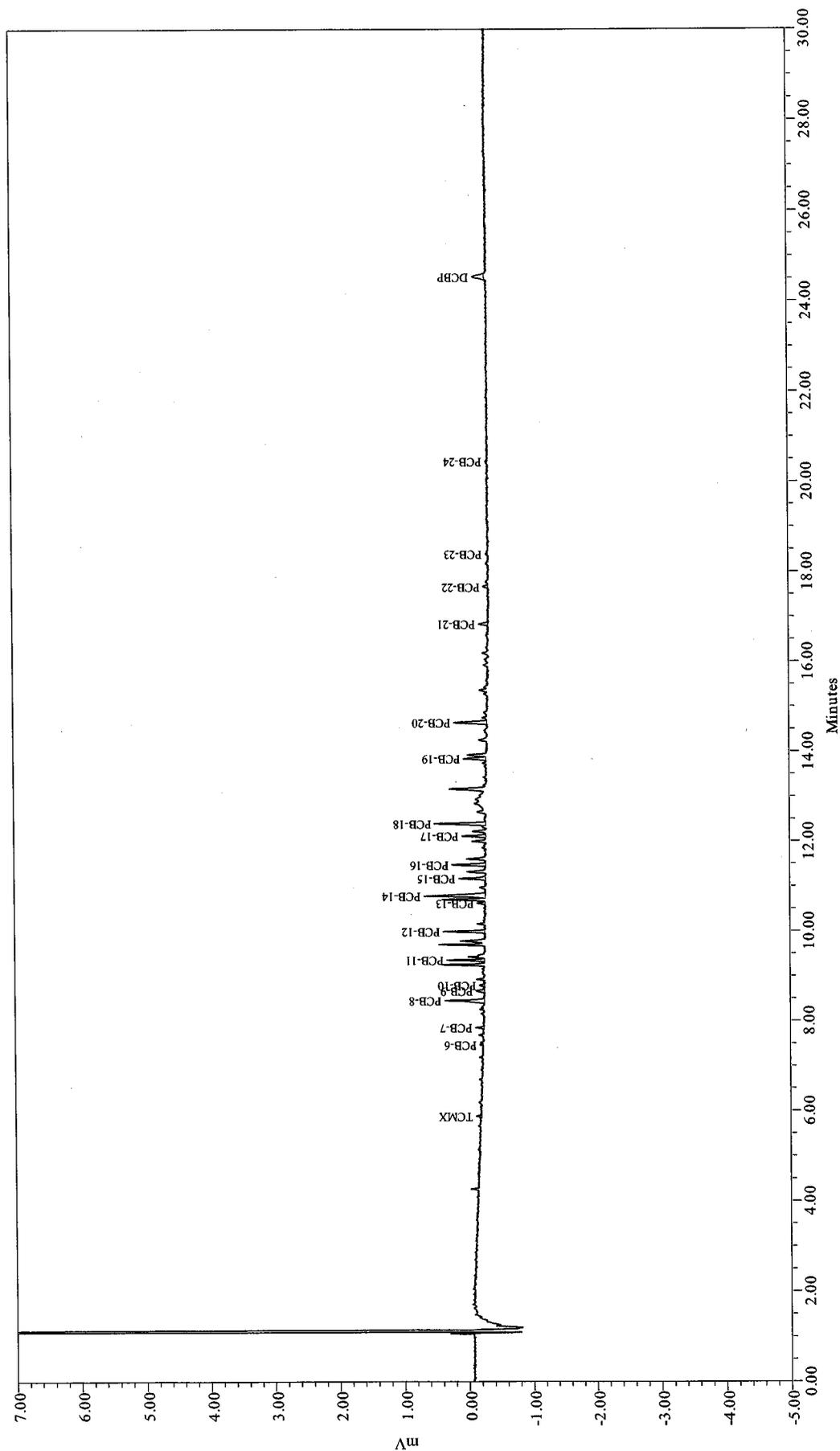
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	2.61	U
1	11104-28-2	Aroclor 1221	2.61	U
1	11141-16-5	Aroclor 1232	2.61	U
1	53469-21-9	Aroclor 1242	7.88	AD
1	12672-29-6	Aroclor 1248	2.61	U
1	11097-69-1	Aroclor 1254	15.4	AF
1	11096-82-5	Aroclor 1260	2.61	U

Laboratory Qualifiers:

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20814  
 Sample ID: P2SL-24A-01  
 Date Acquired: 12/27/2008 04:32:49 EST

Sample Amount (g): 3.8300  
 Dilution: 500  
 Processing Method: GC20F\_8082CC\_120108  
 LIMS File ID: GC20F-326-34



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Sample Name:	AL20814	Sample Amount (g) :	3.8300
Sample ID:	P2SL-24A-01	Dilution:	500
Date Acquired:	12/27/2008 04:32:49 EST	Extract Volume:	25
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/29/2008 08:25:46 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantienne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:35 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-34

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bv	150	0.346	69.3	
2	PCB-6	7.47	bv	105			
3	PCB-7	7.86	bb	238			
4	PCB-8	8.46	bb	1408			
5	PCB-9	8.68	bb	327			
6	PCB-10	8.80	bb	162			
7	PCB-11	9.36	bV	1140			
8	PCB-12	10.00	bb	1342			
9	PCB-13	10.62	bV	261			
10	PCB-14	10.78	Vb	2929			
11	PCB-15	11.17	bb	944			
12	PCB-16	11.48	bb	1186			
13	PCB-17	12.12	bV	866			
14	PCB-18	12.40	vb	1894			
15	PCB-19	13.84	bV	900			
16	PCB-20	14.64	bv	1373			
17	PCB-21	16.84	bb	381			
18	PCB-22	17.67	bb	196			
19	PCB-23	18.40	bb	59			
20	PCB-24	20.45	bb	69			
21	DCBP	24.54	bb	837	1.673		33.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	2240	48.842	6.37628	2.61	NR	
2	A1232	2135	98.923	12.91424	2.61	NR	
3	A1232-8/9	400	44.549	5.81580	2.61	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
4	A1242	2240	60.383	7.88292	2.61	X	AD
5	A1248	6616	186.047	24.28818	2.61	NR	
6	A1248-11/15	4532	196.048	25.59377	2.61	NR	
7	A1248-14/15	2743	161.204	21.04496	2.61	NR	
8	A1254	6219	118.087	15.41603	2.61	X	AF
9	A1254-17/18	3458	111.557	14.56353	2.61	NR	
10	A1254-19/20	3946	126.931	16.57069	2.61	NR	
11	A1254-20	4846	118.875	15.51893	2.61	NR	
12	A1260	2078	36.445	4.75782	2.61	NR	
13	A1260-20	705	17.728	2.31442	2.61	NR	
14	A1260-23/24	1950	40.617	5.30253	2.61	NR	
15	A1262	2078				NR	
16	A1268	128				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-20</u>
Matrix: <u>Soil</u>	Client ID: <u>P2SL-25A-01</u>
Sample wt(Dry)/vol: <u>4.7639 g</u>	Lab Sample ID: <u>AL20815</u>
Percent Moisture: <u>53.0</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/27/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-35

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

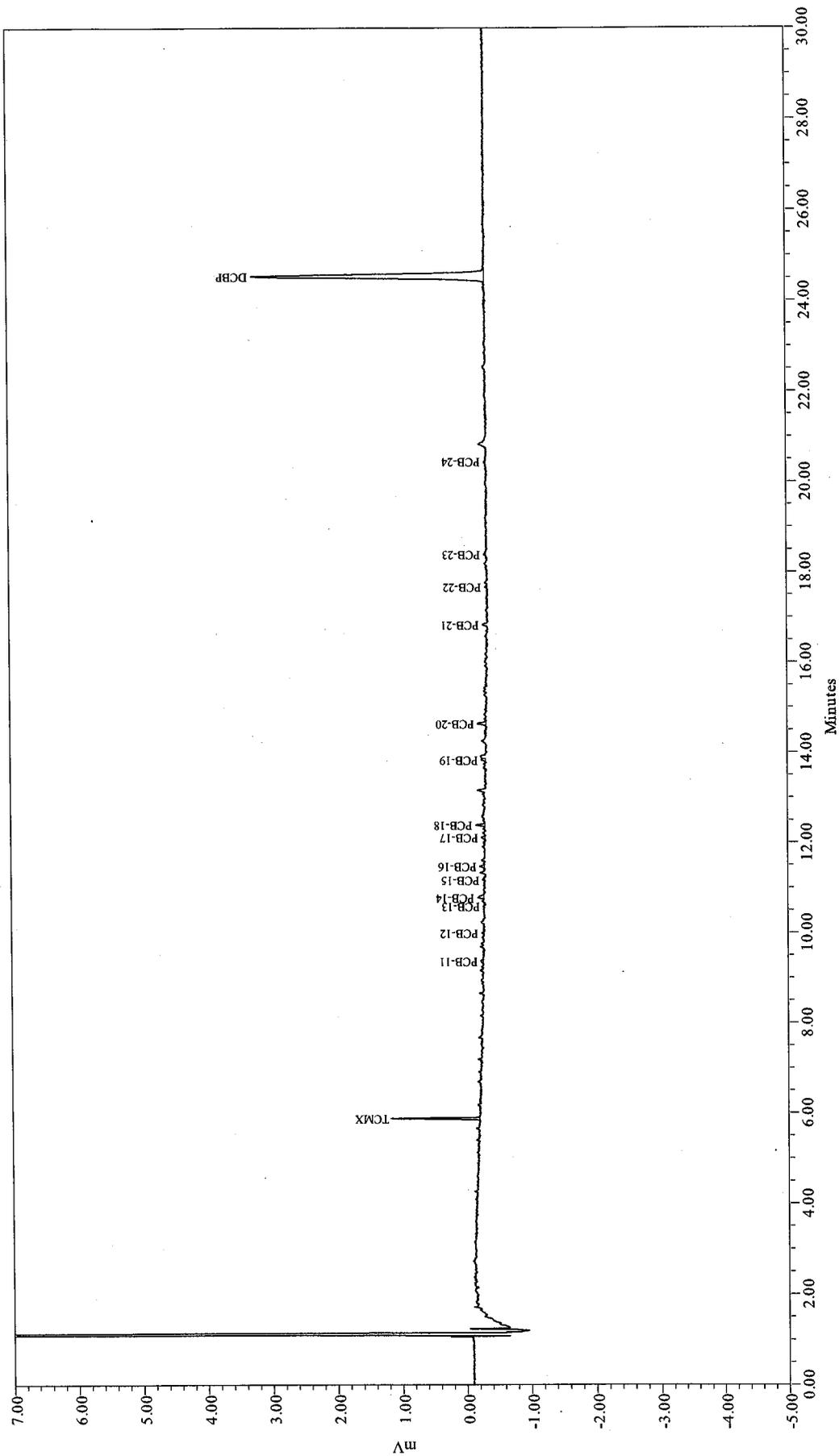
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.105	U
1	11104-28-2	Aroclor 1221	0.105	U
1	11141-16-5	Aroclor 1232	0.105	U
1	53469-21-9	Aroclor 1242	0.105	U
1	12672-29-6	Aroclor 1248	0.105	U
1	11097-69-1	Aroclor 1254	0.108	AF
1	11096-82-5	Aroclor 1260	0.105	U

**Laboratory Qualifiers:**

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20815  
Sample ID: P2SL-25A-01  
Date Acquired: 12/27/2008 05:05:25 EST

Sample Amount (g): 4.7640  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-35



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308

Phone: (518) 346-4592 Fax: (518) 381-6055

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Sample Name:	AL20815	Sample Amount (g) :	4.7640
Sample ID:	P2SL-25A-01	Dilution:	25
Date Acquired:	12/27/2008 05:05:25 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 08:27:42 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:42:47 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-35

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2116	9.196	92.0	
2	PCB-11	9.37	bb	126			
3	PCB-12	9.99	bb	63			
4	PCB-13	10.59	bb	43			
5	PCB-14	10.78	bb	320			
6	PCB-15	11.17	bv	56			
7	PCB-16	11.48	bb	149			
8	PCB-17	12.12	bb	128			
9	PCB-18	12.39	bb	327			
10	PCB-19	13.84	bv	173			
11	PCB-20	14.64	bb	378			
12	PCB-21	16.84	bb	180			
13	PCB-22	17.68	bb	74			
14	PCB-23	18.40	bb	104			
15	PCB-24	20.45	bb	41			
16	DCBP	24.54	bb	20779	99.396		99.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	608	17.225	0.09039	0.105	NR	
2	A1248-11/15	426	18.498	0.09707	0.105	NR	
3	A1248-14/15	232	10.749	0.05640	0.105	NR	
4	A1254	1154	20.506	0.10761	0.105	X	AF
5	A1254-17/18	699	21.752	0.11415	0.105	NR	
6	A1254-19/20	604	17.155	0.09002	0.105	NR	
7	A1254-20	777	16.751	0.08790	0.105	NR	
8	A1260	777	13.092	0.06871	0.105	NR	

**Group Results**

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
9	A1260-20	399	10.025	0.05261	0.105	NR	
10	A1260-23/24	632	12.021	0.06308	0.105	NR	
11	A1262	777				NR	
12	A1268	145				NR	

# Analytical Sequence

**8-D-1  
PCB ANALYTICAL SEQUENCE**

Laboratory Name: Northeast Analytical, Inc.

SDG No: 08120164

ELAP ID No: 11078

Instrument ID: GC20F

Init. Calib. Date(s): 12/01/2008,12/02/2008

GC Column (1): J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION						
			TCMX RT: <u>5.88</u>	DCBP RT: <u>24.55</u>		
	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT #	DCBP RT #
01	A1016 20 PPB	120116A	GC20F-308-3	12/01/2008 12:48:11		
02	A1016 100 PPB	120116B	GC20F-308-4	12/01/2008 13:20:48		
03	A1016 250 PPB	120116C	GC20F-308-5	12/01/2008 13:53:26		
04	A1016 500 PPB	120116D	GC20F-308-6	12/01/2008 14:26:03		
05	A1016 1000 PPB	120116E	GC20F-308-7	12/01/2008 14:58:41		
06	A1221 20 PPB	120121A	GC20F-308-8	12/01/2008 15:31:18		
07	A1221 100 PPB	120121B	GC20F-308-9	12/01/2008 16:03:54		
08	A1221 250 PPB	120121C	GC20F-308-10	12/01/2008 16:36:30		
09	A1221 500 PPB	120121D	GC20F-308-11	12/01/2008 17:09:07		
10	A1221 1000 PPB	120121E	GC20F-308-12	12/01/2008 17:41:43		
11	A1232 20 PPB	120132A	GC20F-308-13	12/01/2008 18:14:19		
12	A1232 100 PPB	120132B	GC20F-308-14	12/01/2008 18:46:55		
13	A1232 250 PPB	120132C	GC20F-308-15	12/01/2008 19:19:32		
14	A1232 500 PPB	120132D	GC20F-308-16	12/01/2008 19:52:09		
15	A1232 1000 PPB	120132E	GC20F-308-17	12/01/2008 20:24:47		
16	A1242 20 PPB	120142A	GC20F-308-18	12/01/2008 20:57:24		
17	A1242 100 PPB	120142B	GC20F-308-19	12/01/2008 21:30:00		
18	A1242 250 PPB	120142C	GC20F-308-20	12/01/2008 22:02:36		
19	A1242 500 PPB	120142D	GC20F-308-21	12/01/2008 22:35:12		
20	A1242 1000 PPB	120142E	GC20F-308-22	12/01/2008 23:07:49		
21	A1248 20 PPB	120148A	GC20F-308-23	12/01/2008 23:40:25		
22	A1248 100 PPB	120148B	GC20F-308-24	12/02/2008 00:13:01		
23	A1248 250 PPB	120148C	GC20F-308-25	12/02/2008 00:45:38		
24	A1248 500 PPB	120148D	GC20F-308-26	12/02/2008 01:18:15		
25	A1248 1000 PPB	120148E	GC20F-308-27	12/02/2008 01:50:52		
26	A1254 20 PPB	120154A	GC20F-308-28	12/02/2008 02:23:28	5.88	24.54
27	A1254 100 PPB	120154B	GC20F-308-29	12/02/2008 02:56:05	5.88	24.55
28	A1254 250 PPB	120154C	GC20F-308-30	12/02/2008 03:28:40	5.88	24.55
29	A1254 500 PPB	120154D	GC20F-308-31	12/02/2008 04:01:17	5.88	24.54
30	A1254 1000 PPB	120154E	GC20F-308-32	12/02/2008 04:33:53	5.88	24.55
31	A1260 20 PPB	120160A	GC20F-308-33	12/02/2008 05:06:29		
32	A1260 100 PPB	120160B	GC20F-308-34	12/02/2008 05:39:05		
33	A1260 250 PPB	120160C	GC20F-308-35	12/02/2008 06:11:41		
34	A1260 500 PPB	120160D	GC20F-308-36	12/02/2008 06:44:18		
35	A1260 1000 PPB	120160E	GC20F-308-37	12/02/2008 07:16:54		
36	A1016 500 PPB	CS161201A	GC20F-308-39	12/02/2008 08:22:06	5.88	24.53
37	A1221 500 PPB	CS211201A	GC20F-308-40	12/02/2008 08:54:42	5.88	24.54
38	A1232 500 PPB	CS321201A	GC20F-308-41	12/02/2008 09:27:18	5.88	24.54

FORM VIII-CLP-PCB(NEA)

Print Date: 01/07/2009  
Nea Lims Version : 4.4.2.2

**8-D-1**  
**PCB ANALYTICAL SEQUENCE**

Laboratory Name: Northeast Analytical, Inc.

SDG No: 08120164

ELAP ID No: 11078

Instrument ID: GC20F

Init. Calib. Date(s): 12/01/2008,12/02/2008

GC Column (1): J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION						
			TCMX RT: <u>5.88</u>			
			DCBP RT: <u>24.55</u>			
CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT #	DCBP RT #	
39	A1242 500 PPB	CS421201A	GC20F-308-42	12/02/2008 09:59:53	5.88	24.54
40	A1248 500 PPB	CS481201A	GC20F-308-43	12/02/2008 10:32:29	5.88	24.54
41	A1254 500 PPB	CS541201A	GC20F-308-44	12/02/2008 11:05:06	5.88	24.53
42	A1260 500 PPB	CS601201A	GC20F-308-45	12/02/2008 11:37:42	5.88	24.54
43	A1260 500 PPB	CS601226A	GC20F-326-10	12/26/2008 15:30:27	5.88	24.53
44	METHOD BLANK	AL20805B	GC20F-326-11	12/26/2008 16:03:03	5.88	24.53
45	LAB CONTROL SPIKE	AL20805L	GC20F-326-12	12/26/2008 16:35:38	5.88	24.54
46	P2SD-12B-01	AL20796	GC20F-326-13	12/26/2008 17:08:15	5.88	24.54
47	P2SL-14A-01	AL20798	GC20F-326-14	12/26/2008 17:40:51	5.88	24.54
48	P2SD-15A-01	AL20799	GC20F-326-15	12/26/2008 18:13:27	5.88	24.55
49	P2SD-15B-01	AL20800	GC20F-326-16	12/26/2008 18:46:03	5.88	24.54
50	P2SD-15C-01	AL20801	GC20F-326-17	12/26/2008 19:18:39	5.88	24.53
51	P2SD-16A-01	AL20802	GC20F-326-18	12/26/2008 19:51:14	5.88	24.54
52	P2SD-17A-01	AL20803	GC20F-326-19	12/26/2008 20:23:49	5.88	24.54
53	A1016 500 PPB	CS161226B	GC20F-326-20	12/26/2008 20:56:25	5.88	24.54
54	P2SD-17A-03	AL20804	GC20F-326-21	12/26/2008 21:29:02	5.88	24.54
55	P2SL-18A-01	AL20805	GC20F-326-22	12/26/2008 22:01:38	5.88	24.54
56	P2SL-18A-01 MS	AL20805M	GC20F-326-23	12/26/2008 22:34:14	5.88(D)	24.53(D)
57	P2SL-18A-01 MSD	AL20805K	GC20F-326-24	12/26/2008 23:06:50	5.88(D)	24.54(D)
58	P2SL-18B-01	AL20806	GC20F-326-25	12/26/2008 23:39:26	5.88	24.53
59	P2SD-19A-01	AL20807	GC20F-326-26	12/27/2008 00:12:03	5.88	24.53
60	P2SD-20A-01	AL20808	GC20F-326-27	12/27/2008 00:44:38	5.88	24.54
61	P2SD-21A-01	AL20809	GC20F-326-28	12/27/2008 01:17:13	5.88	24.54
62	P2SD-22A-01	AL20810	GC20F-326-29	12/27/2008 01:49:49	5.88	24.53
63	A1221 500 PPB	CS211226B	GC20F-326-30	12/27/2008 02:22:24	5.88	24.54
64	P2SL-23A-01	AL20811	GC20F-326-31	12/27/2008 02:54:59	5.88(D)	24.54(D)
65	P2SL-23B-01	AL20812	GC20F-326-32	12/27/2008 03:27:36	5.88	24.54
66	P2SL-23C-01	AL20813	GC20F-326-33	12/27/2008 04:00:12	5.88	24.54
67	P2SL-24A-01	AL20814	GC20F-326-34	12/27/2008 04:32:49	5.88(D)	24.54(D)
68	P2SL-25A-01	AL20815	GC20F-326-35	12/27/2008 05:05:25	5.88	24.54
69	A1232 500 PPB	CS321226B	GC20F-326-36	12/27/2008 05:38:00	5.88	24.55
70	A1260 500 PPB	CS601229A	GC20F-327-10	12/29/2008 10:48:53	5.88	24.55
71	METHOD BLANK	AL20797B	GC20F-327-12	12/29/2008 12:53:50	5.89	24.55
72	LAB CONTROL SPIKE	AL20797L	GC20F-327-13	12/29/2008 13:26:27	5.88	24.56
73	P2SL-13A-01	AL20797RE1	GC20F-327-14	12/29/2008 13:59:03	5.88(D)	24.56(D)
74	ZZZZZ	ZZZZZ	GC20F-327-15	12/29/2008 14:31:39	5.88	24.55
75	A1016 500 PPB	CS161229B	GC20F-327-16	12/29/2008 15:04:16	5.88	24.55

# Initial Calibration Data

6F-1  
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.  
 ELAP ID No: 11078  
 Instrument ID: GC20F  
 GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M, ID: 0.25 mm

SDG NO: 08120164  
 Date(s) Analyzed: 12/01/2008,12/02/2008

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL <sup>1</sup> RF	MEAN RF	% RSD
Aroclor 1016	GC20F-308-3	120116A	20.0	45.771		
	GC20F-308-4	120116B	100	46.550		
	GC20F-308-5	120116C	250	45.849		
	GC20F-308-6	120116D	500	44.233		
	GC20F-308-7	120116E	1000	42.105	44.902	4.0
Aroclor 1221	GC20F-308-8	120121A	20.0	12.445		
	GC20F-308-9	120121B	100	11.152		
	GC20F-308-10	120121C	250	11.061		
	GC20F-308-11	120121D	500	11.810		
	GC20F-308-12	120121E	1000	11.365	11.567	4.9
Aroclor 1232	GC20F-308-13	120132A	20.0	22.706		
	GC20F-308-14	120132B	100	21.339		
	GC20F-308-15	120132C	250	20.910		
	GC20F-308-16	120132D	500	21.729		
	GC20F-308-17	120132E	1000	21.461	21.629	3.1
Aroclor 1242	GC20F-308-18	120142A	20.0	36.277		
	GC20F-308-19	120142B	100	37.395		
	GC20F-308-20	120142C	250	38.222		
	GC20F-308-21	120142D	500	37.085		
	GC20F-308-22	120142E	1000	36.000	36.996	2.4
Aroclor 1248	GC20F-308-23	120148A	20.0	34.092		
	GC20F-308-24	120148B	100	35.694		
	GC20F-308-25	120148C	250	36.270		
	GC20F-308-26	120148D	500	36.714		
	GC20F-308-27	120148E	1000	34.852	35.524	3.0
Aroclor 1254	GC20F-308-28	120154A	20.0	53.444		
	GC20F-308-29	120154B	100	53.085		
	GC20F-308-30	120154C	250	55.044		
	GC20F-308-31	120154D	500	53.189		
	GC20F-308-32	120154E	1000	50.766	53.106	2.9
Aroclor 1260	GC20F-308-33	120160A	20.0	54.650		
	GC20F-308-34	120160B	100	59.133		
	GC20F-308-35	120160C	250	56.492		
	GC20F-308-36	120160D	500	56.408		
	GC20F-308-37	120160E	1000	55.100	56.357	3.1
TCMX	GC20F-308-28	120154A	2.00	248.179		
	GC20F-308-29	120154B	5.00	246.504		
	GC20F-308-30	120154C	8.00	234.876		
	GC20F-308-31	120154D	10.0	229.117		
	GC20F-308-32	120154E	20.0	223.092	236.354	4.6

FORM VI-CLP-PCB(NEA)

Print Date: 01/07/2009  
Nea Lims Version : 4.4.2.2

6F-1  
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.

SDG NO: 08120164

ELAP ID No: 11078

Date(s) Analyzed: 12/01/2008,12/02/2008

Instrument ID: GC20F

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL <sup>1</sup> RF	MEAN RF	% RSD
DCBP	GC20F-308-28	120154A	20.0	219.056		
	GC20F-308-29	120154B	50.0	225.367		
	GC20F-308-30	120154C	80.0	210.718		
	GC20F-308-31	120154D	100	209.012		
	GC20F-308-32	120154E	200	204.493	213.729	3.9

% RSD Limit <= 20%

TCMX=TETRACHLOROMETAXYLENE

DCBP=DECACHLOROBIPHENYL

<sup>1</sup> Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.



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System Name: Instrument\_20\_Ch01 Date Calibrated: 12/02/2008 11:53:00 EST  
Sample Set Name: GC20F\_8082CC\_120108 Method Report: CCSum by RF 02  
Sample Set Date: 12/01/2008 11:34:19 EST User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108

Calibration Component  
Summary Table  
Component Summary For RF

	Sample Name	A1016
1	120116A	45.7711
2	120116B	46.5501
3	120116C	45.8486
4	120116D	44.2334
5	120116E	42.1048
Mean		44.902
Std. Dev.		1.778
% RSD		3.96



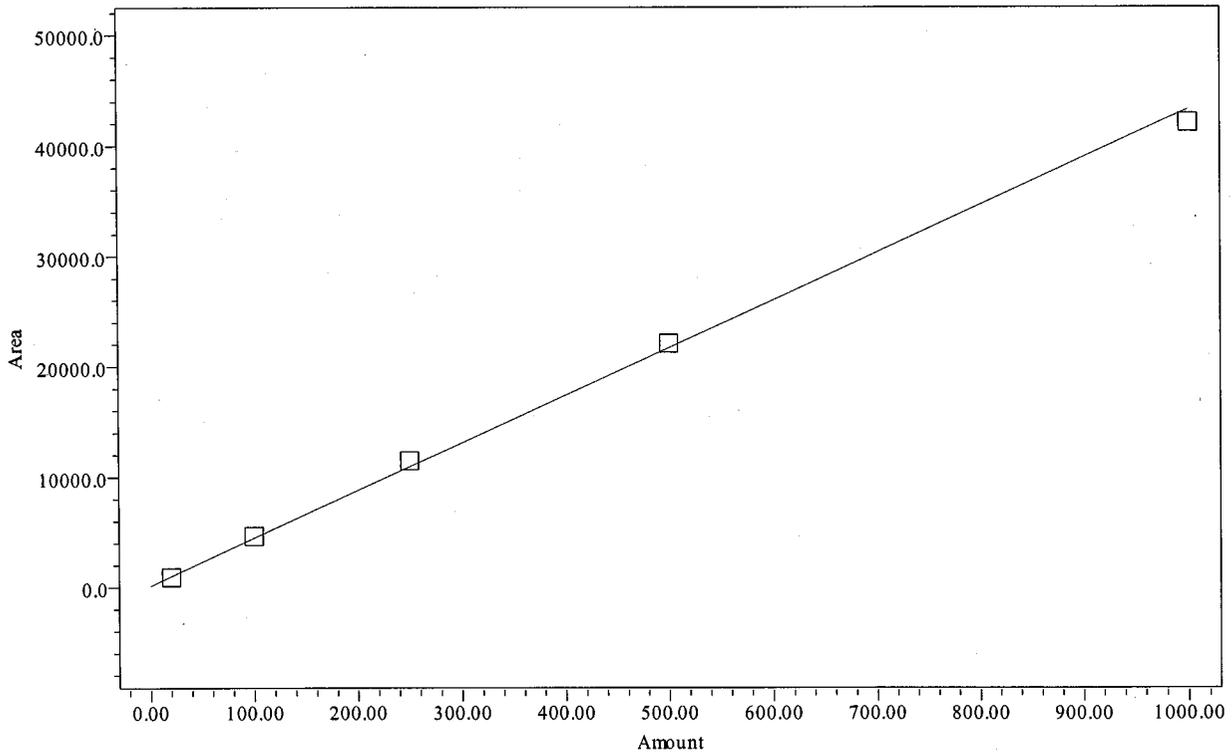
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Name:	A1016	Coefficient constant A:	135.202969
System Name:	Instrument_20_Ch01	Coefficient first Order B:	43.089900
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999345
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.998691

Calibration Curve



Point Table  
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	20.00	915	18.1	-9.466	No	No
2	A1016	100.00	4655	104.9	4.893	No	No
3	A1016	250.00	11462	262.9	5.147	No	No
4	A1016	500.00	22117	510.1	2.026	No	No
5	A1016	1000.00	42105	974.0	-2.600	No	No



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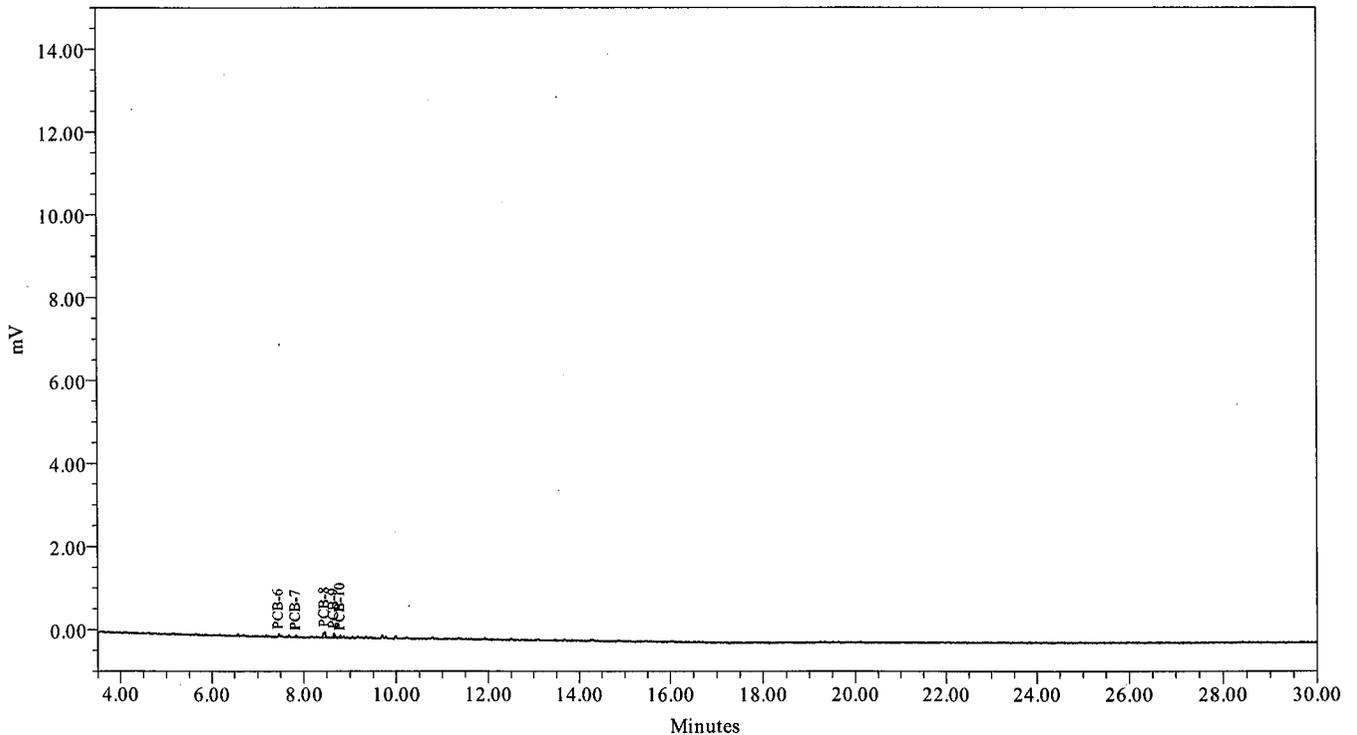
Sample Name: 120116A Sample Amount: 1  
Sample ID: A1016 20 PPB Dilution: 1  
Date Acquired: 12/01/2008 12:48:11 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 09:52:49 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantigne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:37:10 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-3

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.469	bb	104
2 PCB-7	7.838	bb	110
3 PCB-8	8.458	bb	390
4 PCB-9	8.662	bb	214
5 PCB-10	8.800	bb	97

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	915	20.000
2 A1232	812	
3 A1232-8/9	207	
4 A1242	915	





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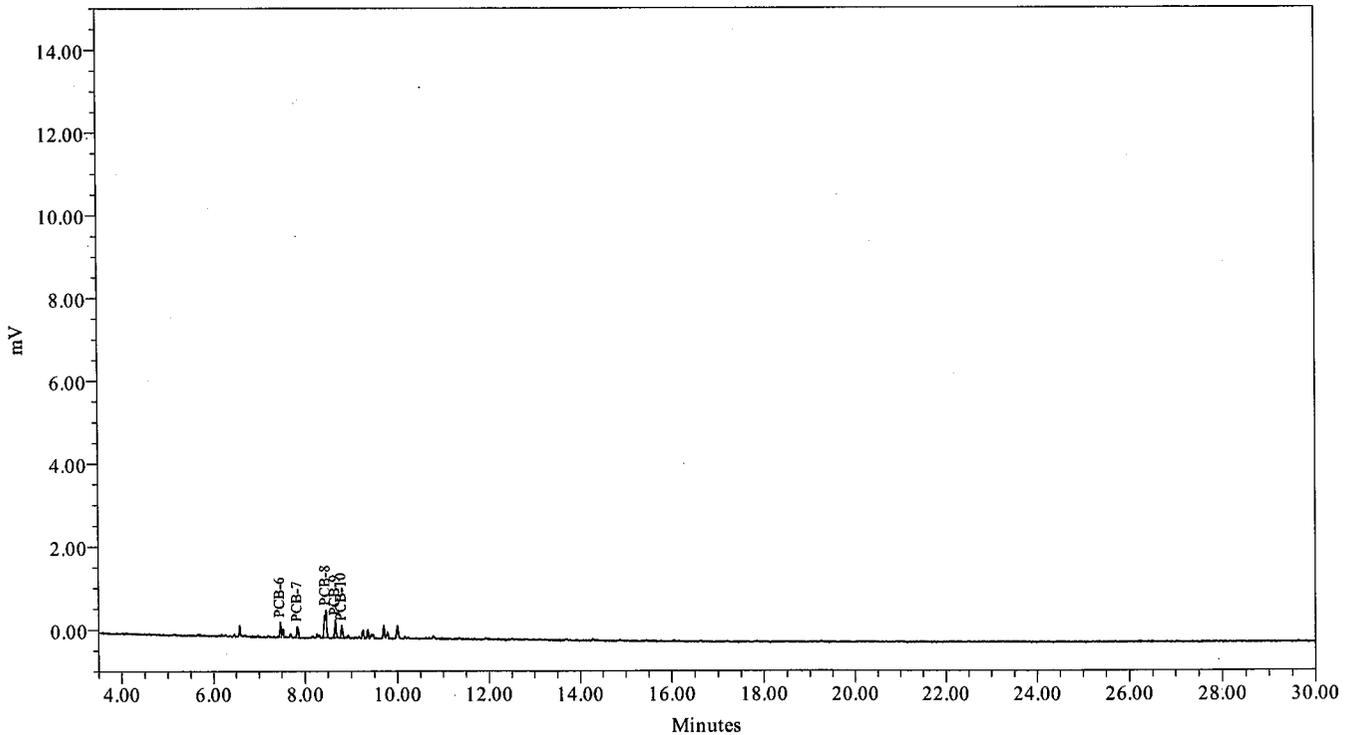
Sample Name: 120116B Sample Amount: 1  
Sample ID: A1016 100 PPB Dilution: 1  
Date Acquired: 12/01/2008 13:20:48 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 09:50:35 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:37:26 USEastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-4

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.473	bV	603
2 PCB-7	7.847	bb	615
3 PCB-8	8.460	bb	2014
4 PCB-9	8.665	bb	848
5 PCB-10	8.802	bb	576

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	4655	100.000
2 A1232	4052	
3 A1232-8/9	1190	
4 A1242	4655	





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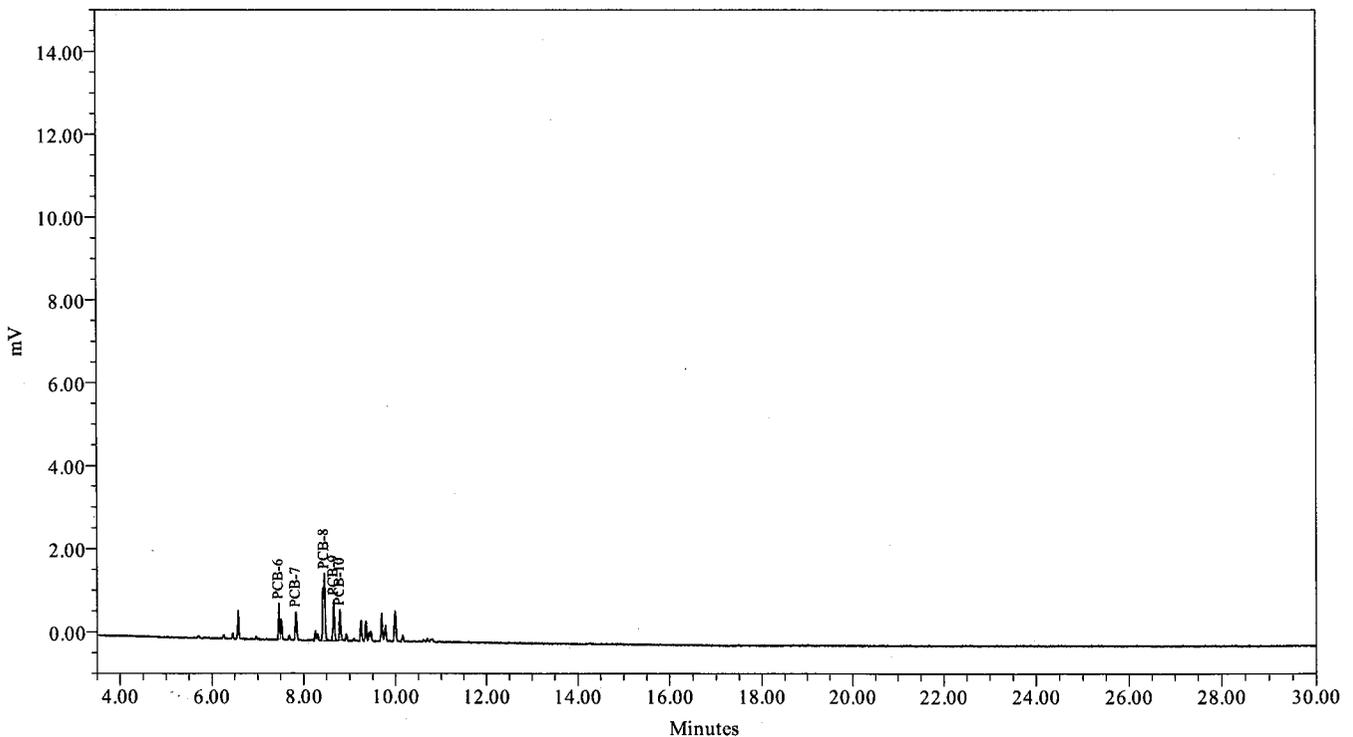
Sample Name: 120116C Sample Amount: 1  
Sample ID: A1016 250 PPB Dilution: 1  
Date Acquired: 12/01/2008 13:53:26 EST Extract Volume: 1  
Project Name: PCB/GC20F\_Sep\_2008 Date Processed: 12/02/2008 09:50:49 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:37:30 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-5

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.469	bV	1454
2 PCB-7	7.841	bb	1480
3 PCB-8	8.456	bB	5107
4 PCB-9	8.660	BB	2060
5 PCB-10	8.797	Bb	1361

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	11462	250.000
2 A1232	10008	
3 A1232-8/9	2840	
4 A1242	11462	





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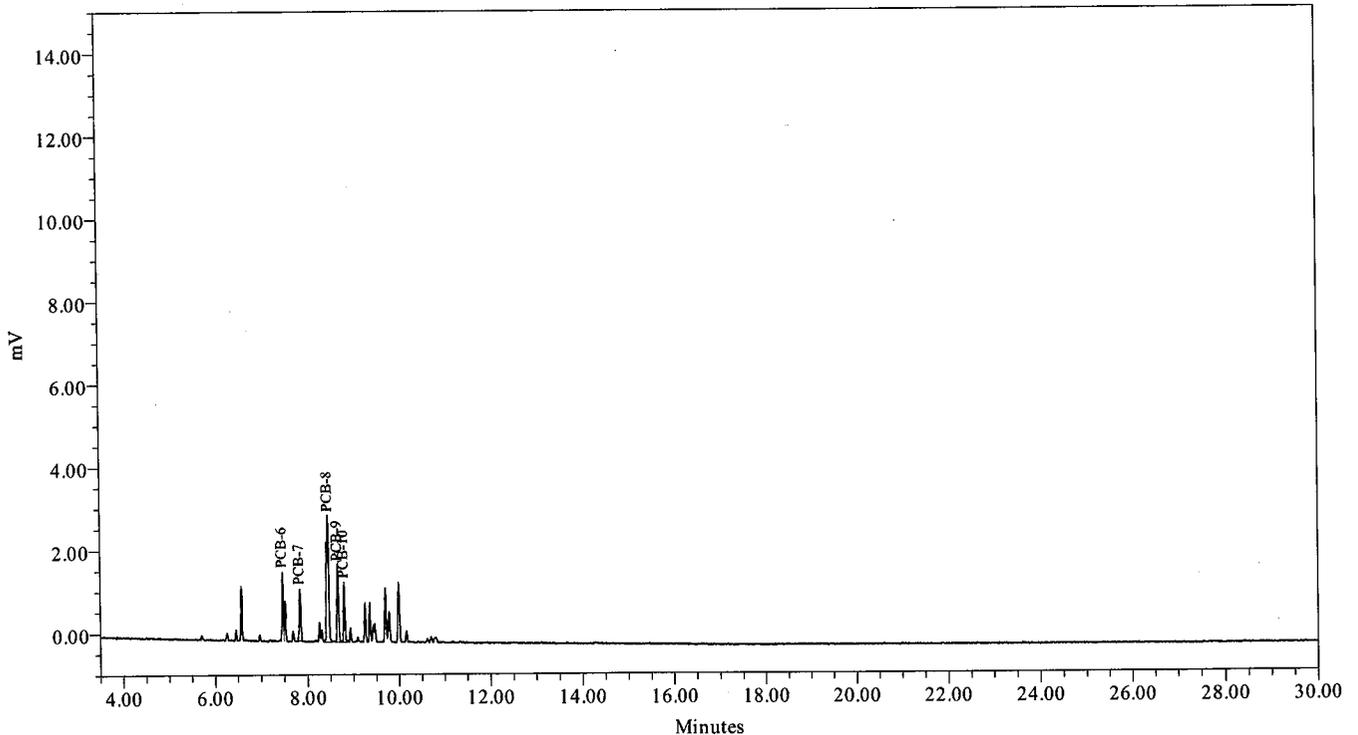
Sample Name: 120116D Sample Amount: 1  
Sample ID: A1016 500 PPB Dilution: 1  
Date Acquired: 12/01/2008 14:26:03 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 09:51:37 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:37:46 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-6

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.471	bV	2845
2 PCB-7	7.843	bb	2844
3 PCB-8	8.457	bV	9769
4 PCB-9	8.662	VV	3939
5 PCB-10	8.800	VB	2720

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	22117	500.000
2 A1232	19271	
3 A1232-8/9	5563	
4 A1242	22117	





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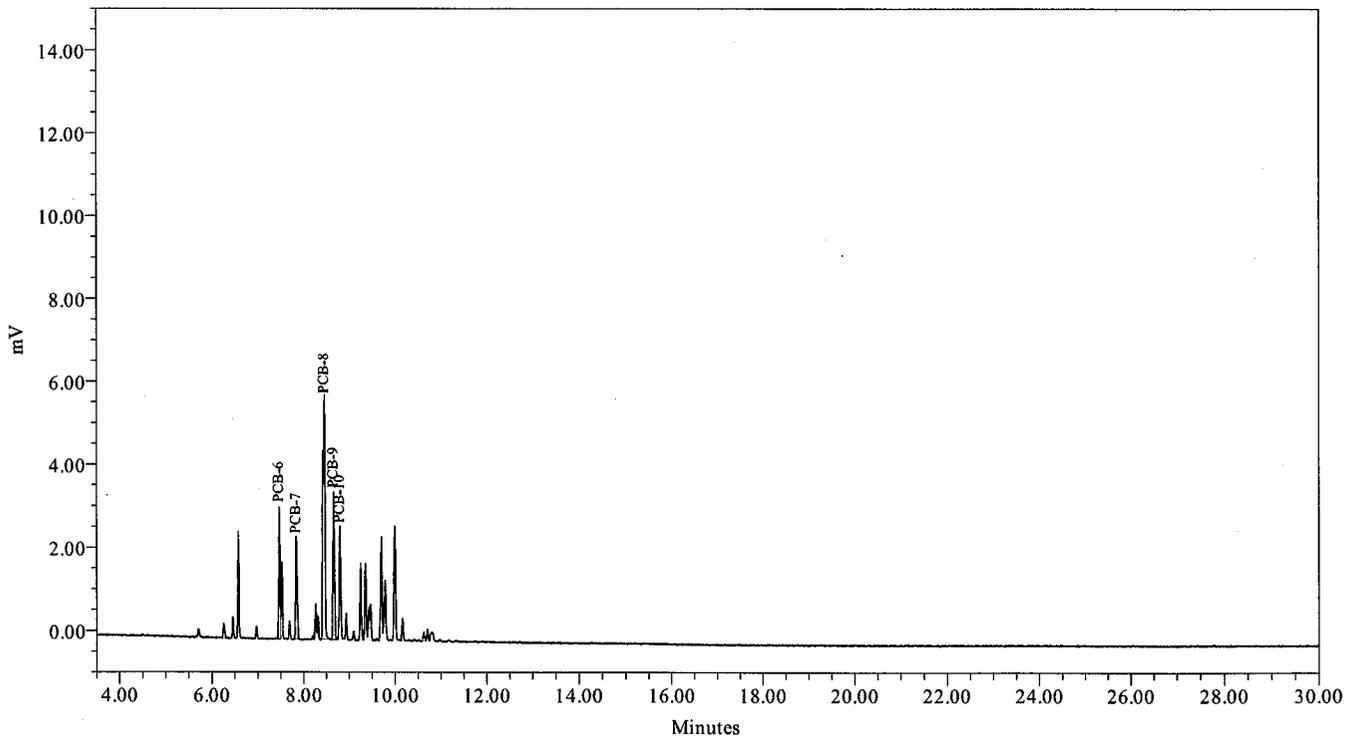
Sample Name: 120116E Sample Amount: 1  
Sample ID: A1016 1000 PPB Dilution: 1  
Date Acquired: 12/01/2008 14:58:41 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 09:51:53 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:37:57 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-7

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.472	bV	5466
2 PCB-7	7.845	bb	5580
3 PCB-8	8.459	bB	18558
4 PCB-9	8.664	BB	7448
5 PCB-10	8.801	Bb	5053

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	42105	1000.000
2 A1232	36639	
3 A1232-8/9	10633	
4 A1242	42105	





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System Name: Instrument\_20\_Ch01 Date Calibrated: 12/02/2008 11:53:00 EST  
Sample Set Name: GC20F\_8082CC\_120108 Method Report: CCSum by RF 02  
Sample Set Date: 12/01/2008 11:34:19 EST User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108

Calibration Component Summary Table  
Component Summary For RF

	Sample Name	A1221-2	A1221	A1221-5
1	120121A	11.5018	12.4451	6.1039
2	120121B	10.3211	11.1517	5.5611
3	120121C	10.5972	11.0608	5.4716
4	120121D	11.1174	11.8102	6.1101
5	120121E	10.6911	11.3645	5.7993
Mean		10.846	11.566	5.809
Std. Dev.		0.465	0.570	0.297
% RSD		4.29	4.93	5.11



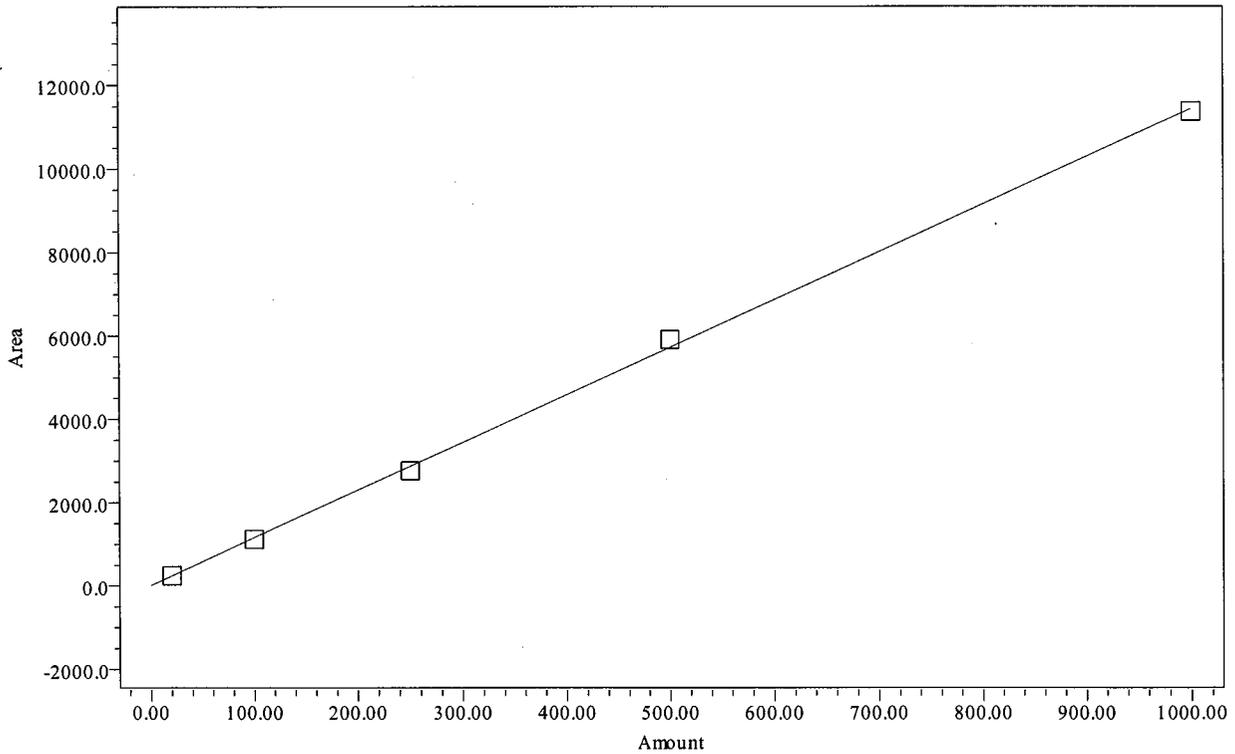
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Name:	A1221	Coefficient constant A:	11.486807
System Name:	Instrument_20_Ch01	Coefficient first Order B:	11.412531
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999663
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999326

Calibration Curve



Point Table  
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	249	20.8	4.015	No	No
2	A1221	100.00	1115	96.7	-3.292	No	No
3	A1221	250.00	2765	241.3	-3.484	No	No
4	A1221	500.00	5905	516.4	3.283	No	No
5	A1221	1000.00	11365	994.8	-0.521	No	No



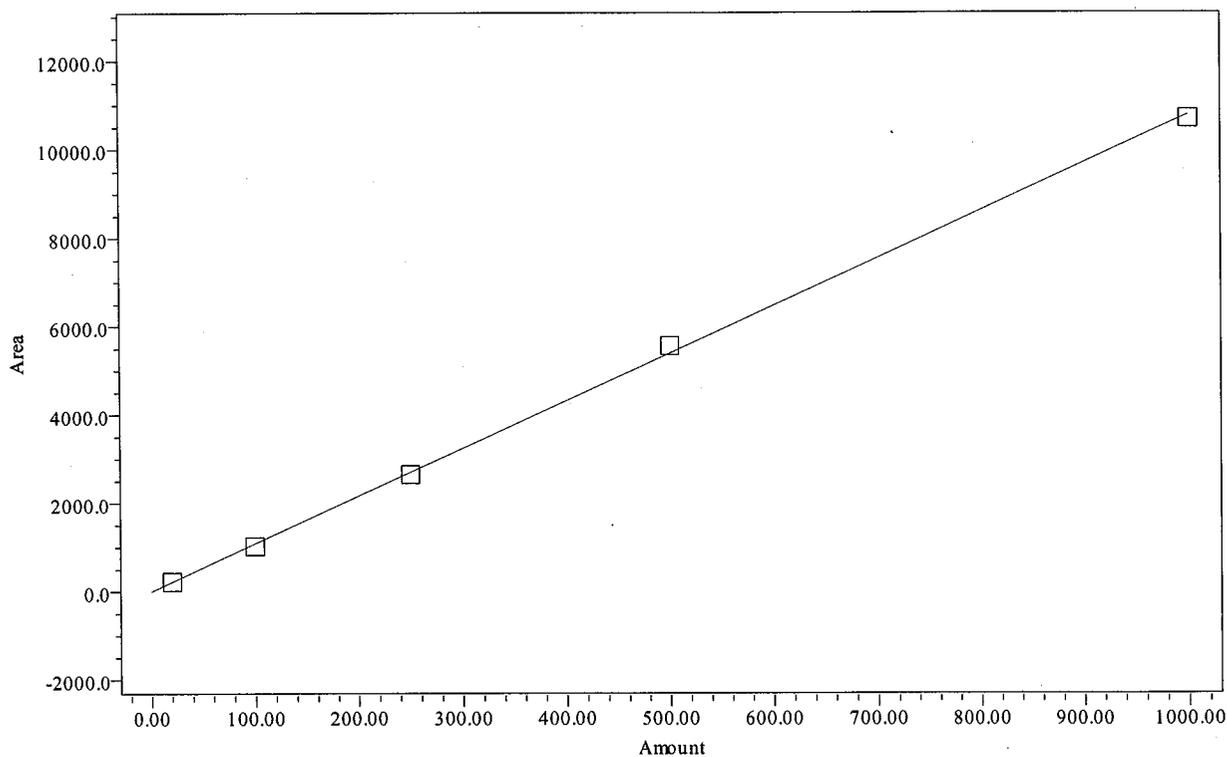
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Name:	A1221-2	Coefficient constant A:	5.994719
System Name:	Instrument_20_Ch01	Coefficient first Order B:	10.765417
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999704
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999408

Calibration Curve



Point Table  
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	230	20.8	4.056	No	No
2	A1221-2	100.00	1032	95.3	-4.684	No	No
3	A1221-2	250.00	2649	245.5	-1.785	No	No
4	A1221-2	500.00	5559	515.8	3.159	No	No
5	A1221-2	1000.00	10691	992.5	-0.746	No	No



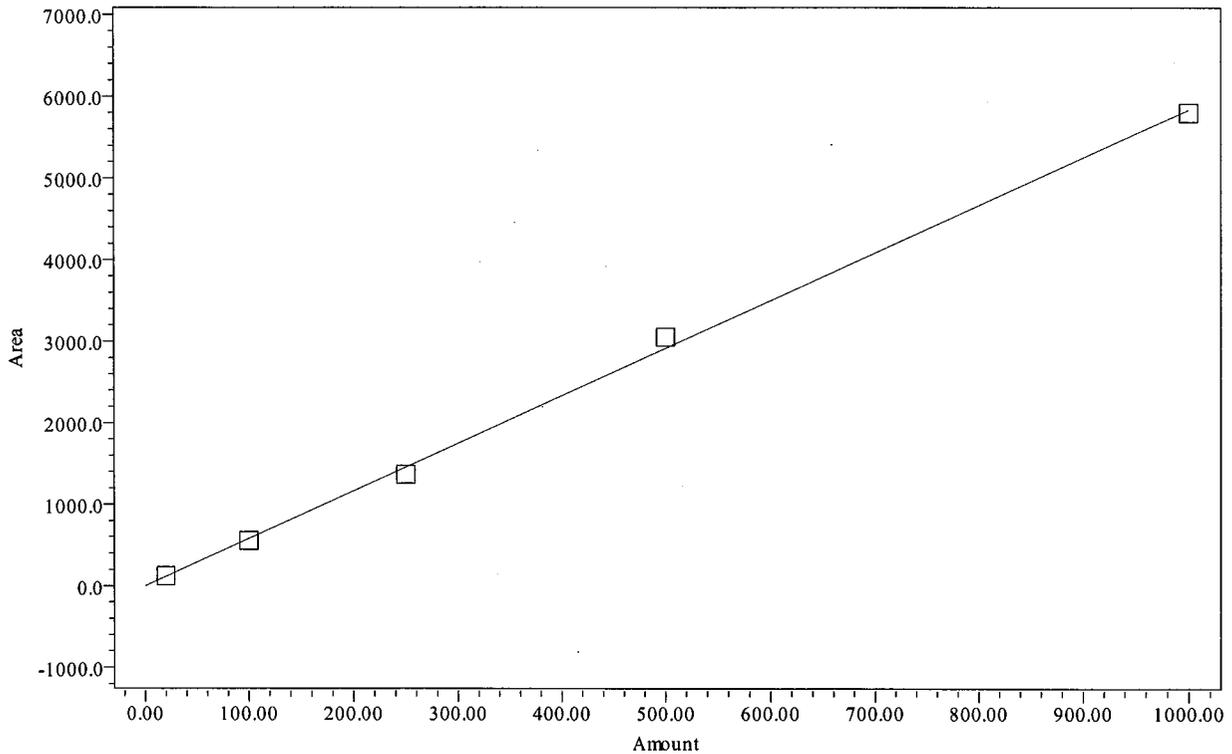
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Name:	A1221-5	Coefficient constant A:	-1.858295
System Name:	Instrument_20_Ch01	Coefficient first Order B:	5.834101
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999208
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.998416

Calibration Curve



Point Table  
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	122	21.2	6.217	No	No
2	A1221-5	100.00	556	95.6	-4.361	No	No
3	A1221-5	250.00	1368	234.8	-6.086	No	No
4	A1221-5	500.00	3055	524.0	4.795	No	No
5	A1221-5	1000.00	5799	994.4	-0.564	No	No



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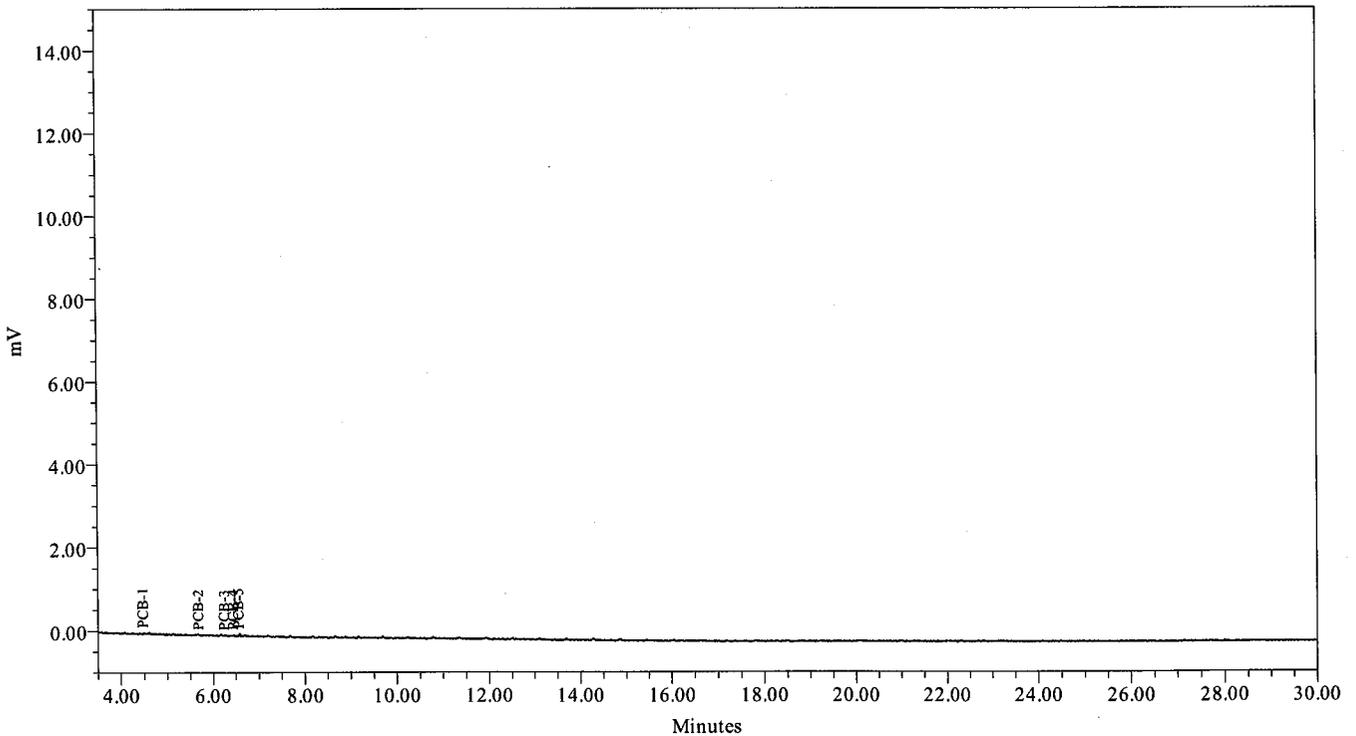
Sample Name:	120121A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	12/01/2008 15:31:18 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:42:46 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantienne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:38:09 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-8

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-1	4.498	vb	48
2 PCB-2	5.702	bb	19
3 PCB-3	6.267	vb	24
4 PCB-4	6.466	vb	31
5 PCB-5	6.582	bb	127

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1221	249	20.000
2 A1221-2	230	20.000
3 A1221-5	122	20.000
4 A1232	127	
5 A1232-8/9	127	





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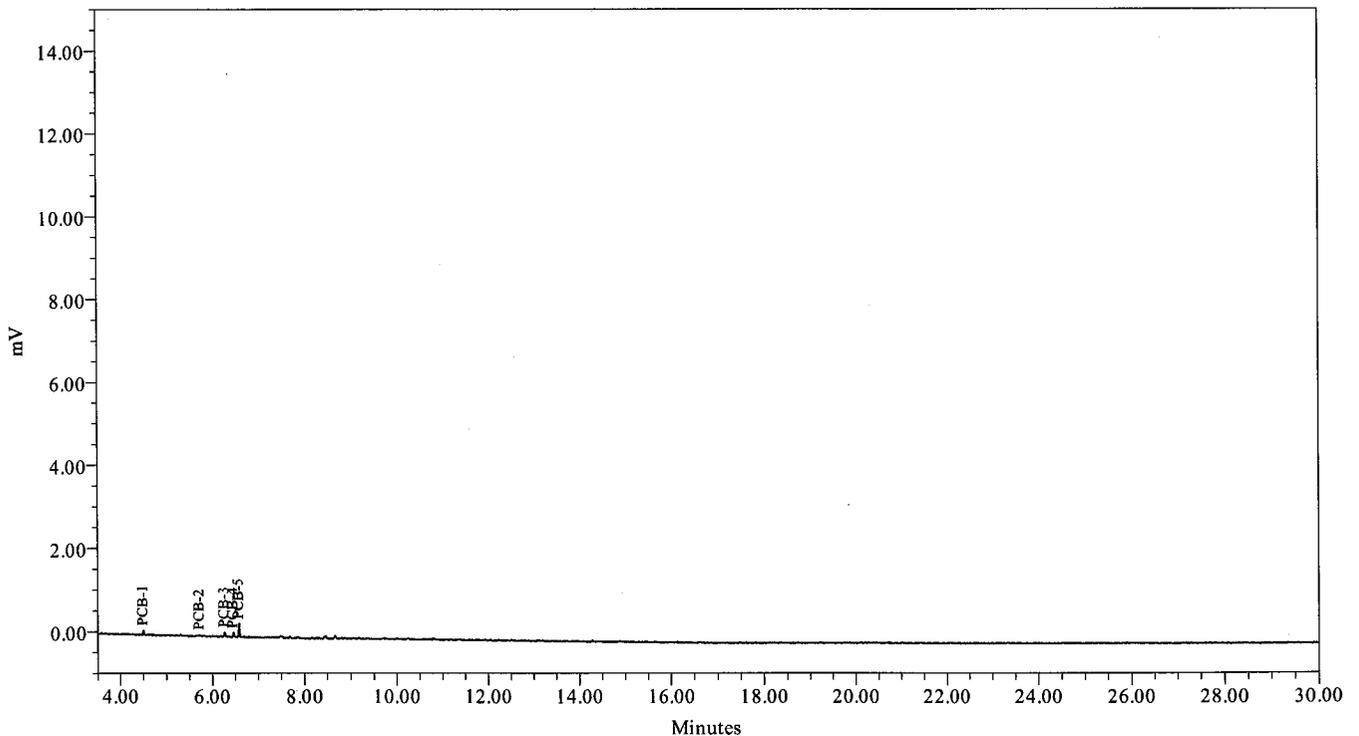
Sample Name: 120121B Sample Amount: 1  
Sample ID: A1221 100 PPB Dilution: 1  
Date Acquired: 12/01/2008 16:03:54 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:43:01 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:38:18 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-9

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-1	4.507	bb	151
2 PCB-2	5.730	bb	83
3 PCB-3	6.273	bb	175
4 PCB-4	6.468	bb	147
5 PCB-5	6.588	bb	559

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1221	1115	100.000
2 A1221-2	1032	100.000
3 A1221-5	556	100.000
4 A1232	559	
5 A1232-8/9	559	





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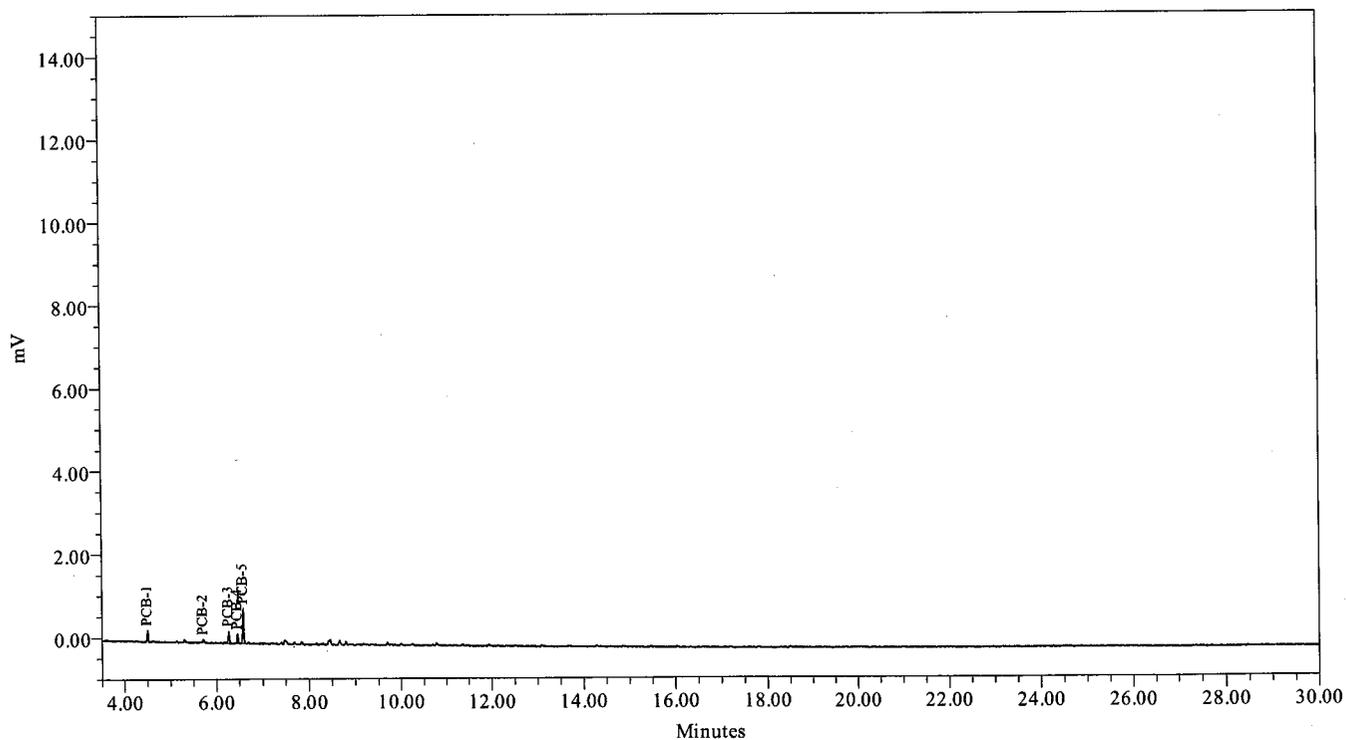
Sample Name: 120121C Sample Amount: 1  
Sample ID: A1221 250 PPB Dilution: 1  
Date Acquired: 12/01/2008 16:36:30 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:41:18 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantigne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:38:35 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-10

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-1	4.506	bb	341
2 PCB-2	5.715	bb	116
3 PCB-3	6.271	bb	571
4 PCB-4	6.466	bb	340
5 PCB-5	6.586	bb	1397

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1221	2765	250.000
2 A1221-2	2649	250.000
3 A1221-5	1368	250.000
4 A1232	1397	
5 A1232-8/9	1397	





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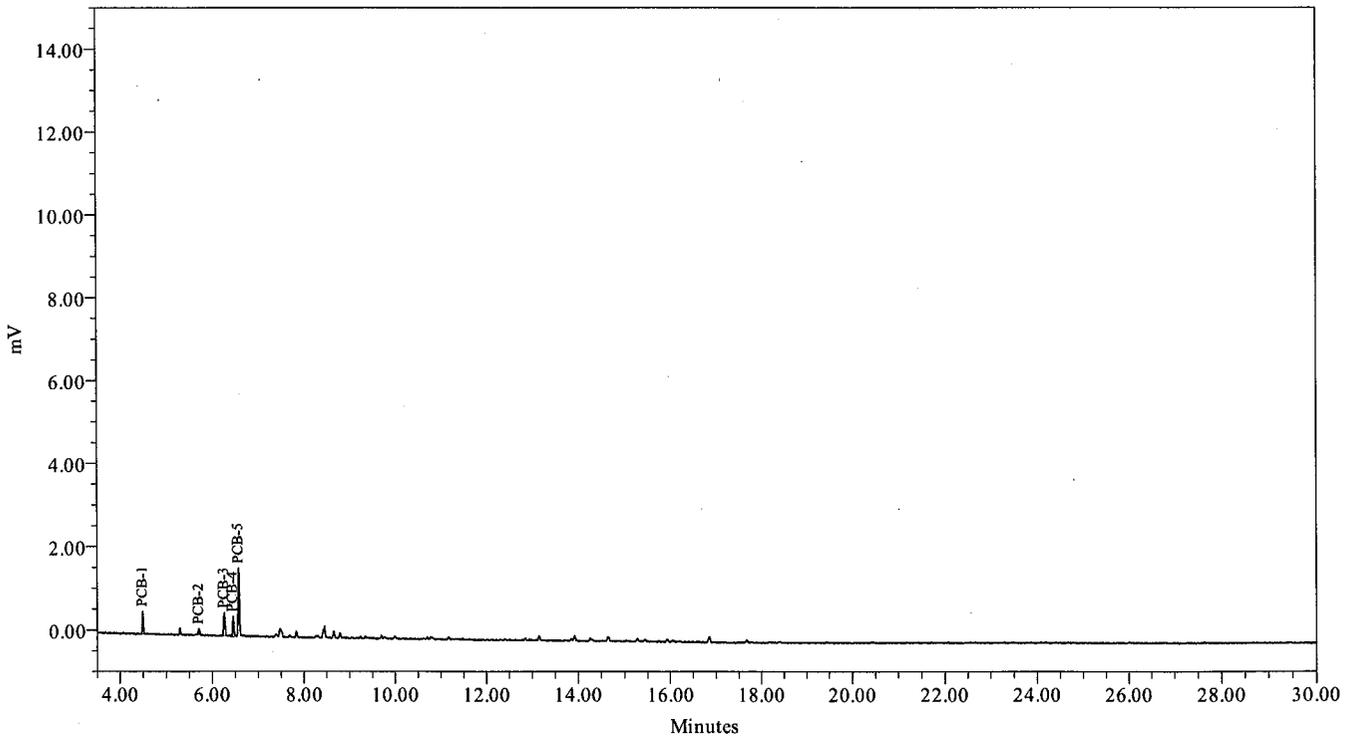
Sample Name:	120121D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	12/01/2008 17:09:07 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:41:33 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:38:43 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-11

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-1	4.504	bb	776
2 PCB-2	5.722	bb	346
3 PCB-3	6.269	bb	1134
4 PCB-4	6.462	bb	799
5 PCB-5	6.581	bb	2850

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1221	5905	500.000
2 A1221-2	5559	500.000
3 A1221-5	3055	500.000
4 A1232	2850	
5 A1232-8/9	2850	





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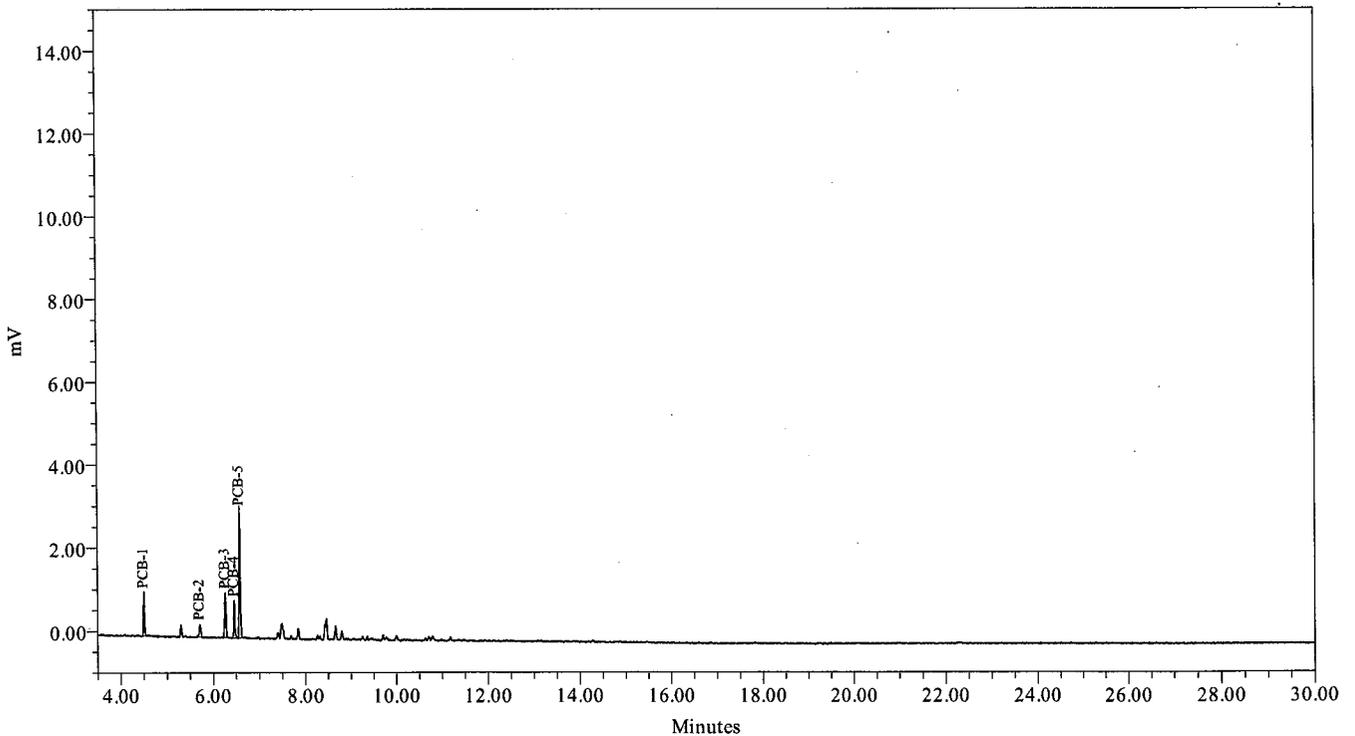
Sample Name: 120121E Sample Amount: 1  
Sample ID: A1221 1000 PPB Dilution: 1  
Date Acquired: 12/01/2008 17:41:43 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:41:54 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:38:59 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-12

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-1	4.506	bb	1527
2 PCB-2	5.717	Vb	673
3 PCB-3	6.272	bb	2155
4 PCB-4	6.466	bb	1444
5 PCB-5	6.585	bb	5565

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1221	11365	1000.000
2 A1221-2	10691	1000.000
3 A1221-5	5799	1000.000
4 A1232	5565	
5 A1232-8/9	5565	





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System Name: Instrument\_20\_Ch01 Date Calibrated: 12/02/2008 11:53:00 EST  
Sample Set Name: GC20F\_8082CC\_120108 Method Report: CCSum by RF 02  
Sample Set Date: 12/01/2008 11:34:19 EST User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108

Calibration Component Summary Table  
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	120132A	22.7057	8.2240
2	120132B	21.3394	9.1060
3	120132C	20.9103	9.6256
4	120132D	21.7292	9.8603
5	120132E	21.4608	9.8491
Mean		21.629	9.333
Std. Dev.		0.670	0.691
% RSD		3.10	7.41



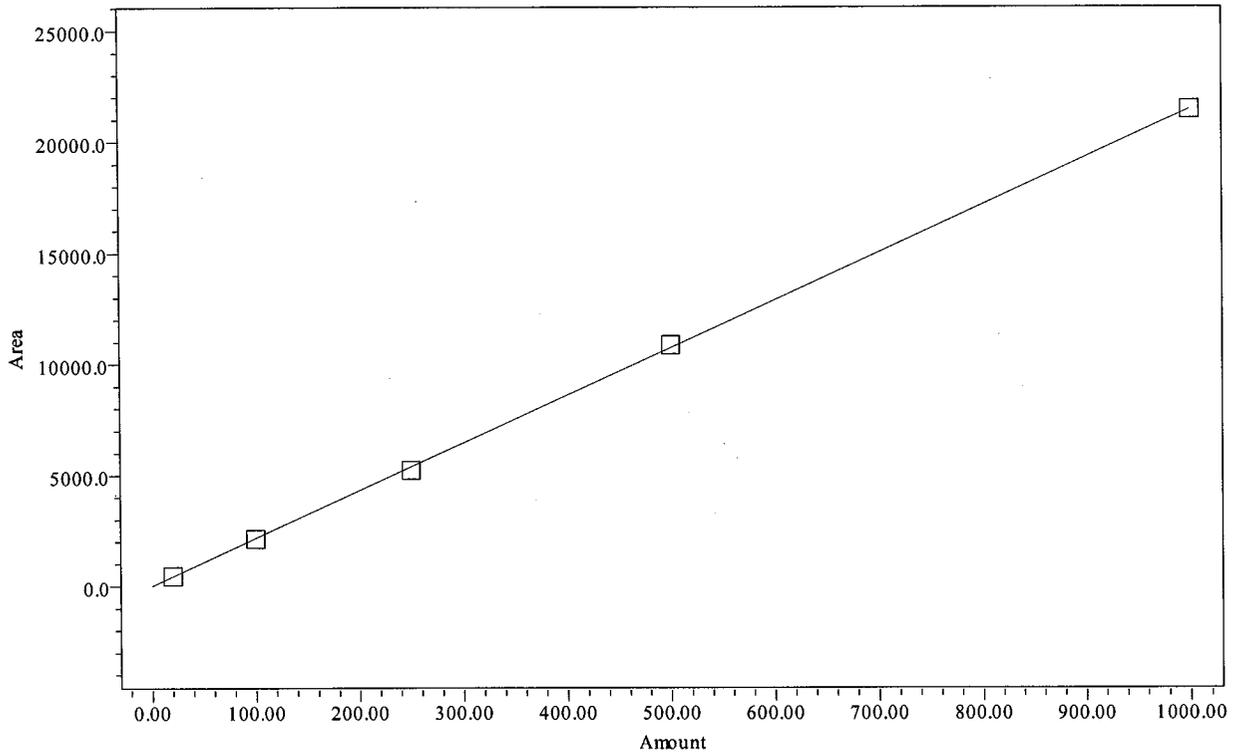
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Name:	A1232	Coefficient constant A:	15.222405
System Name:	Instrument_20_Ch01	Coefficient first Order B:	21.425103
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999904
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999808

Calibration Curve



Point Table  
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	20.00	454	20.5	2.424	No	No
2	A1232	100.00	2134	98.9	-1.110	No	No
3	A1232	250.00	5228	243.3	-2.687	No	No
4	A1232	500.00	10865	506.4	1.277	No	No
5	A1232	1000.00	21461	1001.0	0.096	No	No



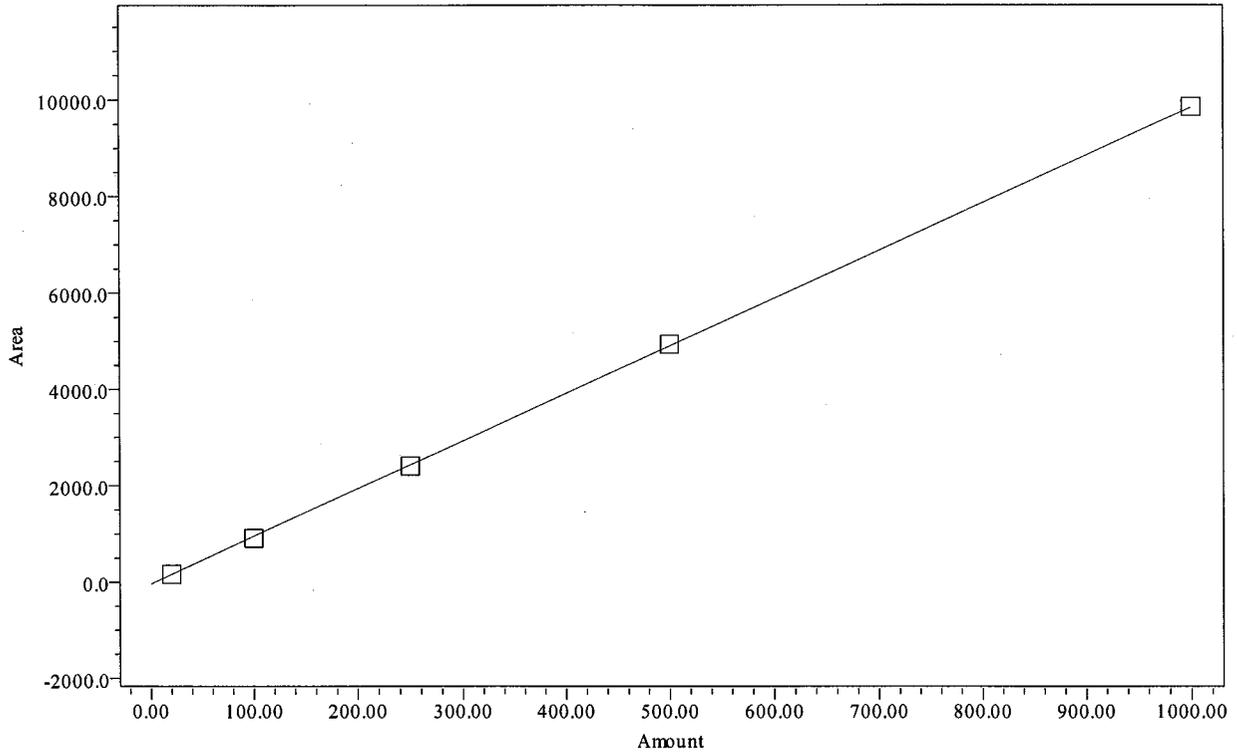
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Name:	A1232-8/9	Coefficient constant A:	-40.284795
System Name:	Instrument_20_Ch01	Coefficient first Order B:	9.872806
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999930
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999860

Calibration Curve



Point Table  
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	20.00	164	20.7	3.701	No	No
2	A1232-8/9	100.00	911	96.3	-3.686	No	No
3	A1232-8/9	250.00	2406	247.8	-0.872	No	No
4	A1232-8/9	500.00	4930	503.4	0.689	No	No
5	A1232-8/9	1000.00	9849	1001.7	0.168	No	No



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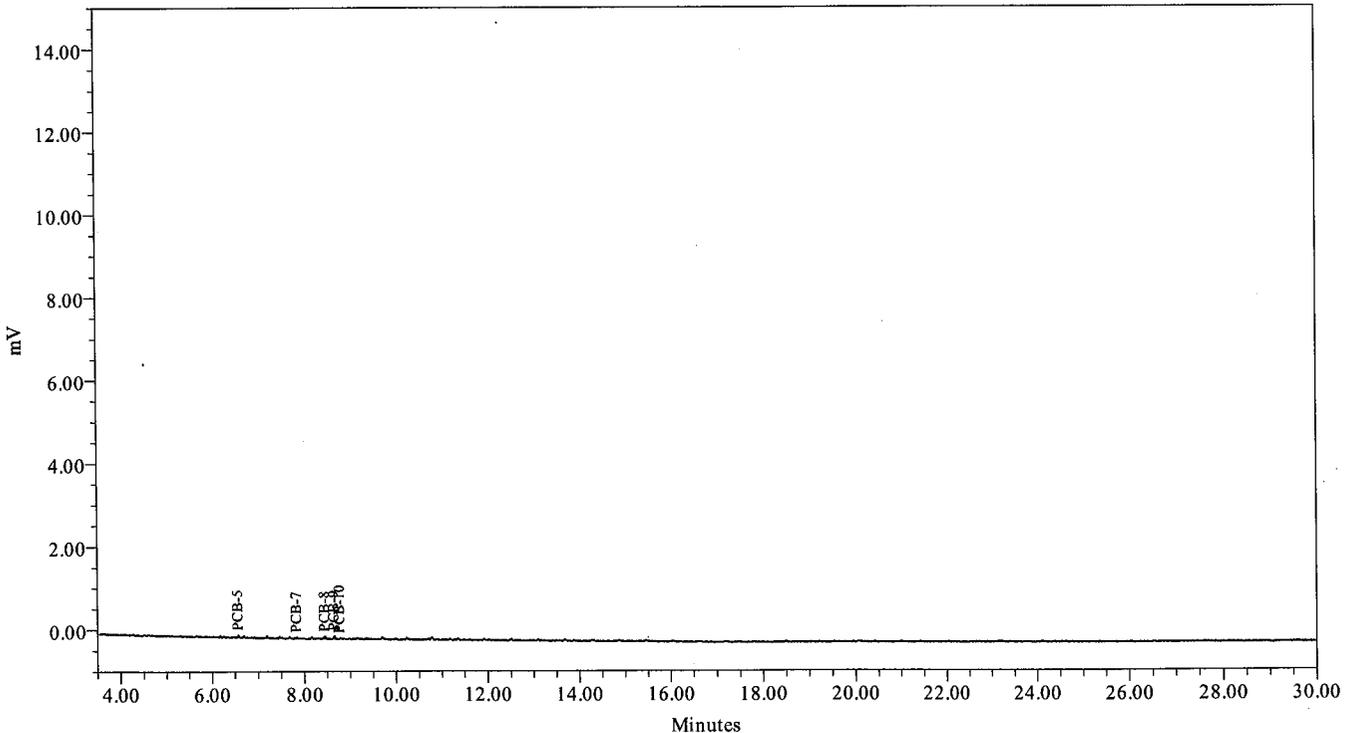
Sample Name: 120132A Sample Amount: 1  
Sample ID: A1232 20 PPB Dilution: 1  
Date Acquired: 12/01/2008 18:14:19 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:44:01 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:39:09 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-13

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-5	6.579	bb	95
2 PCB-7	7.846	bb	40
3 PCB-8	8.455	bb	179
4 PCB-9	8.663	bb	111
5 PCB-10	8.788	bb	30

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	359	
2 A1221	95	
3 A1221-2	95	
4 A1232	454	20.000
5 A1232-8/9	164	20.000
6 A1242	359	





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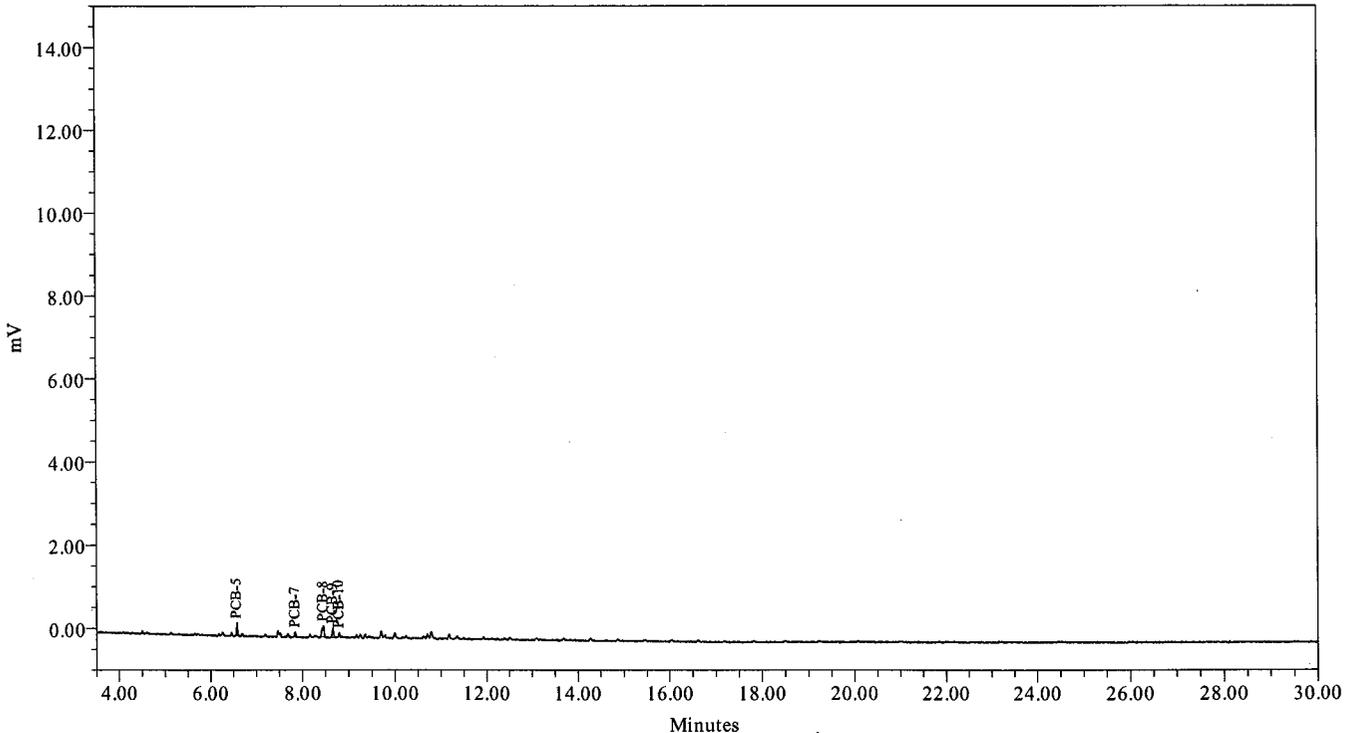
Sample Name:	120132B	Sample Amount:	1
Sample ID:	A1232 100 PPB	Dilution:	1
Date Acquired:	12/01/2008 18:46:55 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/02/2008 11:44:19 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:39:24 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-14

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-5	6.584	bb	482
2 PCB-7	7.849	bb	232
3 PCB-8	8.461	bb	815
4 PCB-9	8.664	bb	408
5 PCB-10	8.801	bb	196

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	1651	
2 A1221	482	
3 A1221-2	482	
4 A1232	2134	100.000
5 A1232-8/9	911	100.000
6 A1242	1651	





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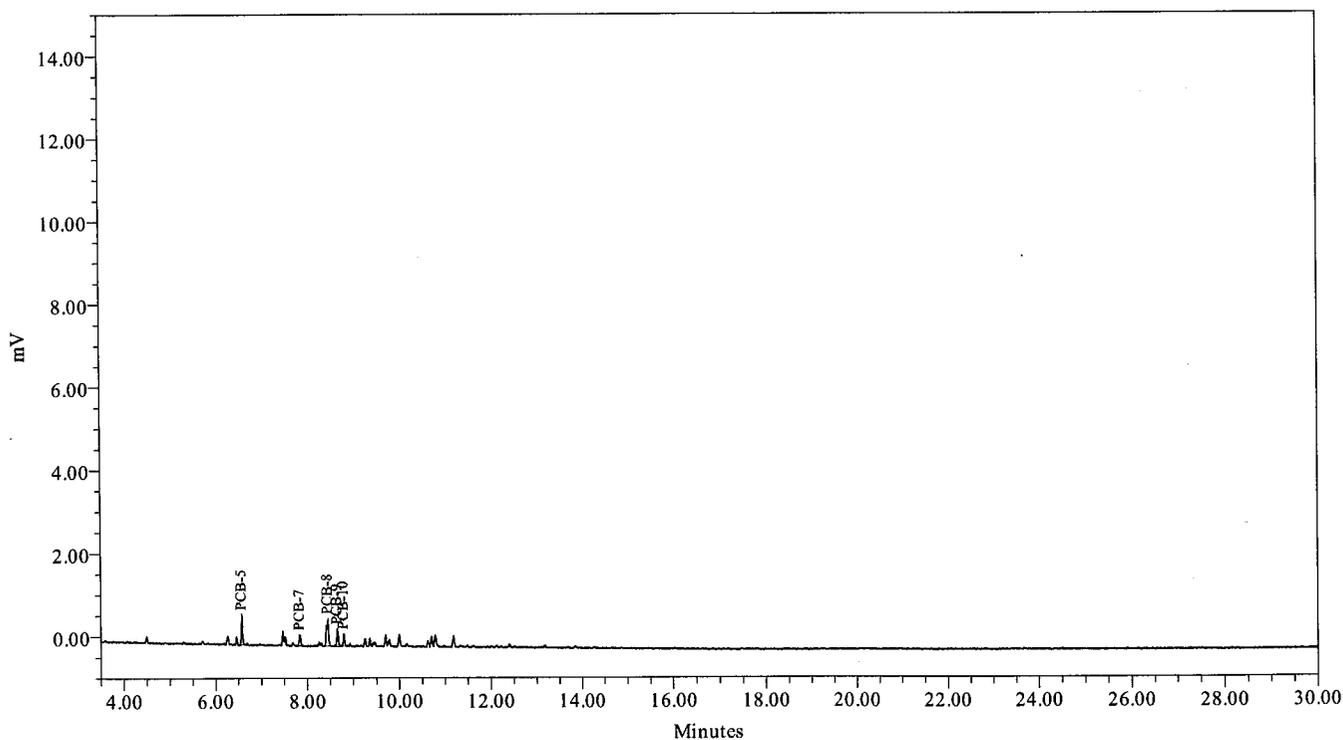
Sample Name:	120132C	Sample Amount:	1
Sample ID:	A1232 250 PPB	Dilution:	1
Date Acquired:	12/01/2008 19:19:32 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:44:40 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:39:32 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-15

### Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-5	6.584	bb	1265
2 PCB-7	7.846	bb	605
3 PCB-8	8.460	bb	1982
4 PCB-9	8.664	bb	839
5 PCB-10	8.803	bb	536

### Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	3962	
2 A1221	1265	
3 A1221-2	1265	
4 A1232	5228	250.000
5 A1232-8/9	2406	250.000
6 A1242	3962	





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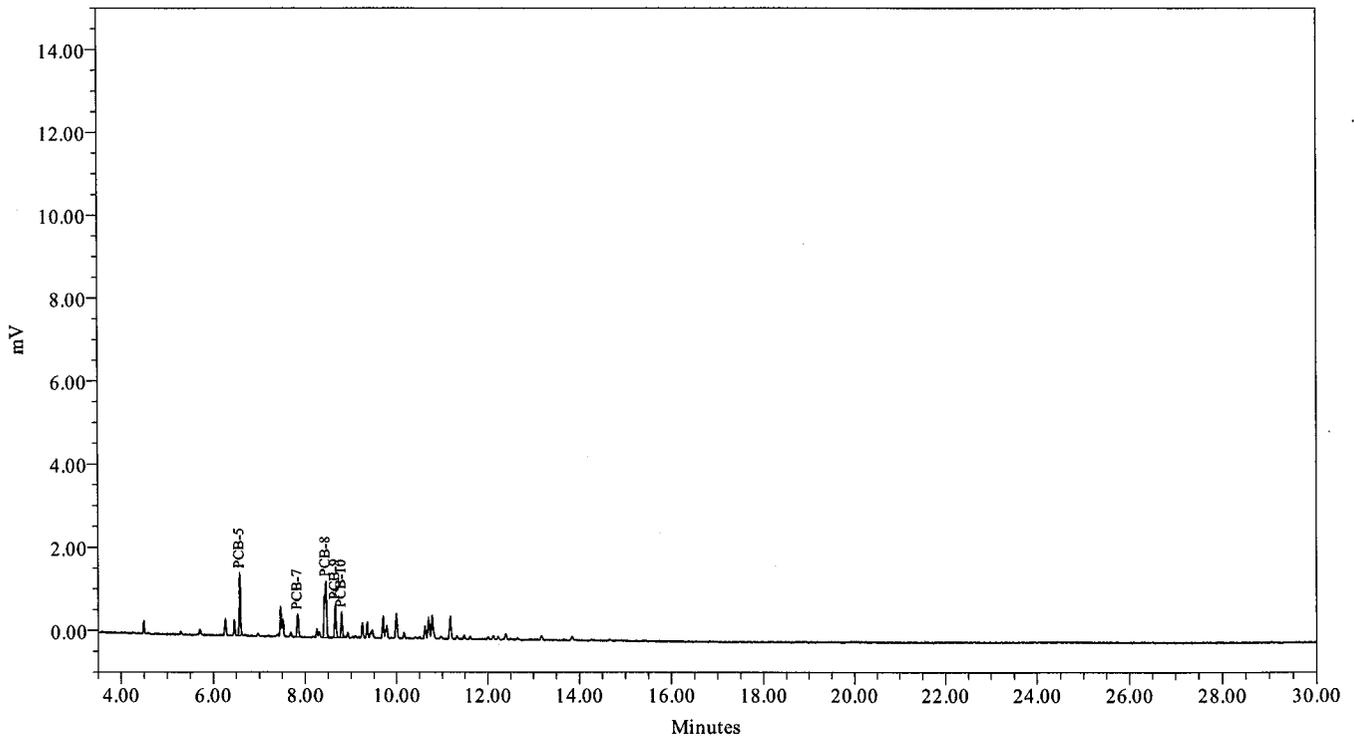
Sample Name:	120132D	Sample Amount:	1
Sample ID:	A1232 500 PPB	Dilution:	1
Date Acquired:	12/01/2008 19:52:09 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:44:58 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:39:54 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-16

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-5	6.584	bb	2540
2 PCB-7	7.845	bb	1243
3 PCB-8	8.461	bB	4249
4 PCB-9	8.666	BV	1686
5 PCB-10	8.803	VV	1147

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	8325	
2 A1221	2540	
3 A1221-2	2540	
4 A1232	10865	500.000
5 A1232-8/9	4930	500.000
6 A1242	8325	





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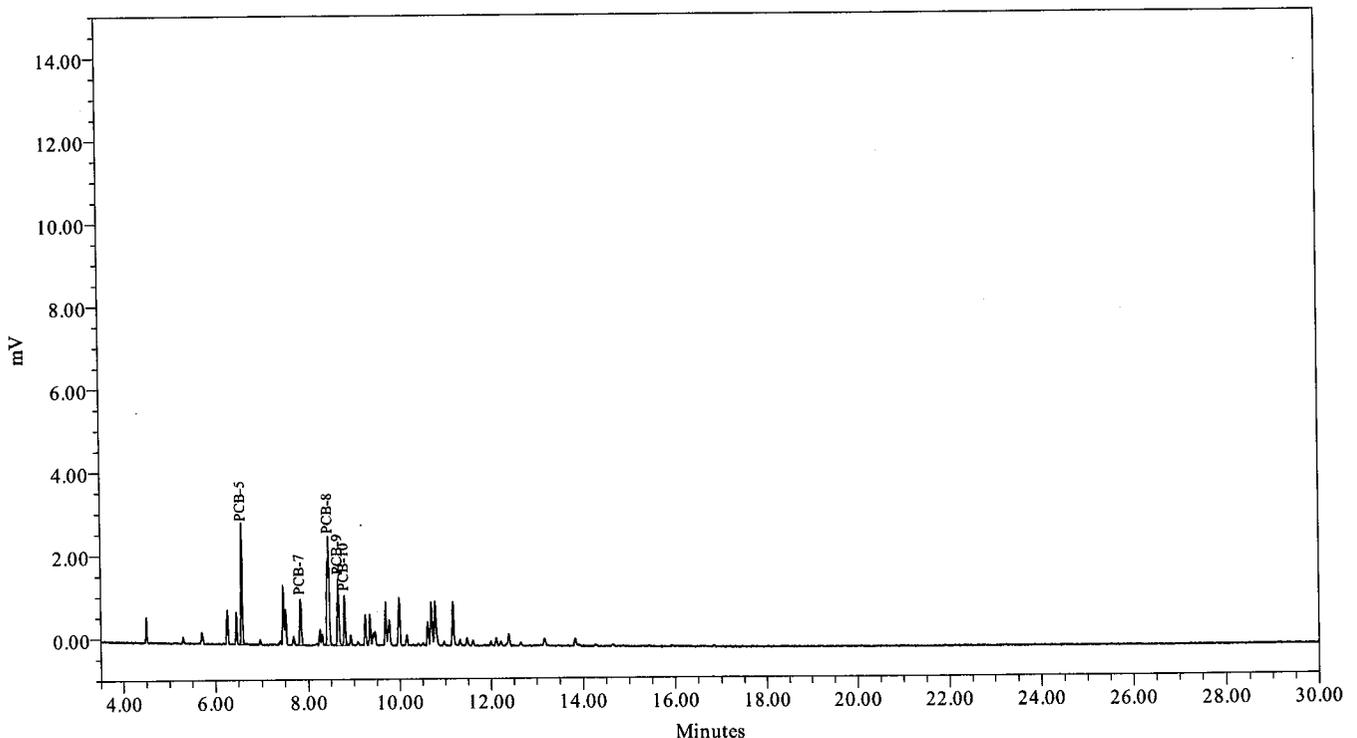
Sample Name: 120132E Sample Amount: 1  
Sample ID: A1232 1000 PPB Dilution: 1  
Date Acquired: 12/01/2008 20:24:47 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:45:18 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:40:16 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-17

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-5	6.579	bb	5054
2 PCB-7	7.841	bb	2487
3 PCB-8	8.454	bV	8227
4 PCB-9	8.660	VV	3385
5 PCB-10	8.797	VV	2308

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	16407	
2 A1221	5054	
3 A1221-2	5054	
4 A1232	21461	1000.000
5 A1232-8/9	9849	1000.000
6 A1242	16407	





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System Name:	Instrument_20_Ch01	Date Calibrated:	12/02/2008 11:53:00 EST
Sample Set Name:	GC20F_8082CC_120108	Method Report:	CCSum by RF 02
Sample Set Date:	12/01/2008 11:34:19 EST	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108		

Calibration Component  
Summary Table  
Component Summary For RF

	Sample Name	A1242
1	120142A	36.2769
2	120142B	37.3946
3	120142C	38.2223
4	120142D	37.0852
5	120142E	35.9999
Mean		36.996
Std. Dev.		0.892
%RSD		2.41



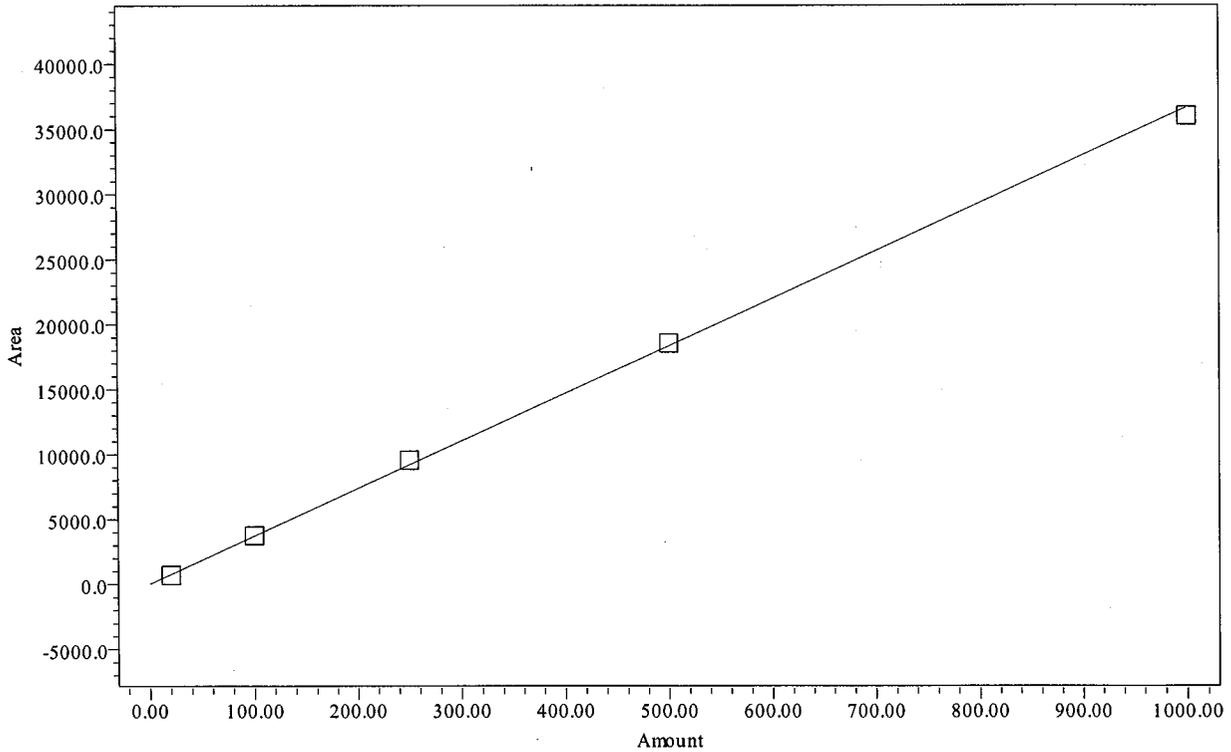
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Name:	A1242	Coefficient constant A:	30.862637
System Name:	Instrument_20_Ch01	Coefficient first Order B:	36.582230
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999715
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999430

Calibration Curve



Point Table  
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	726	19.0	-5.053	No	No
2	A1242	100.00	3739	101.4	1.377	No	No
3	A1242	250.00	9556	260.4	4.146	No	No
4	A1242	500.00	18543	506.0	1.206	No	No
5	A1242	1000.00	36000	983.2	-1.676	No	No



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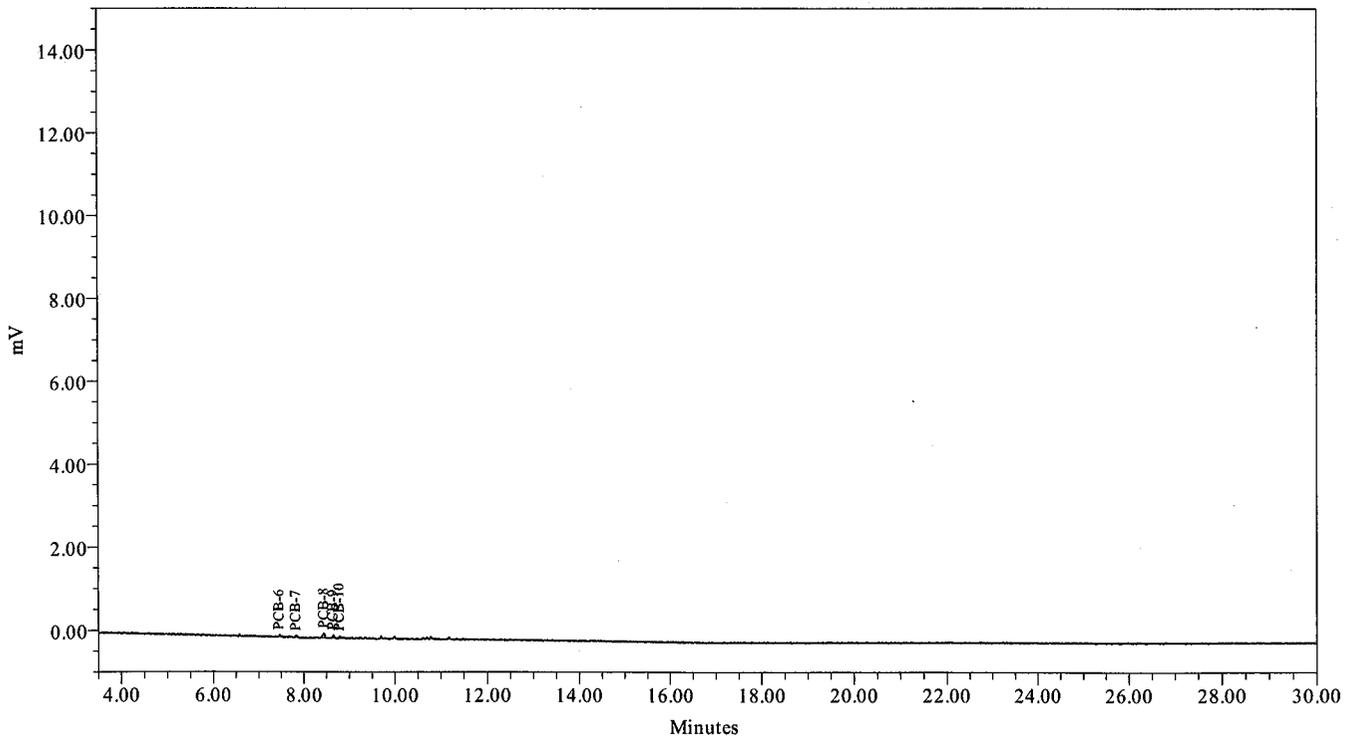
Sample Name: 120142A Sample Amount: 1  
Sample ID: A1242 20 PPB Dilution: 1  
Date Acquired: 12/01/2008 20:57:24 EST Extract Volume: 1  
Project Name: PCB/GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:46:19 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:40:34 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-18

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.470	bb	81
2 PCB-7	7.836	bb	89
3 PCB-8	8.455	bb	300
4 PCB-9	8.658	bb	148
5 PCB-10	8.793	bb	107

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	726	
2 A1232	645	
3 A1232-8/9	197	
4 A1242	726	20.000





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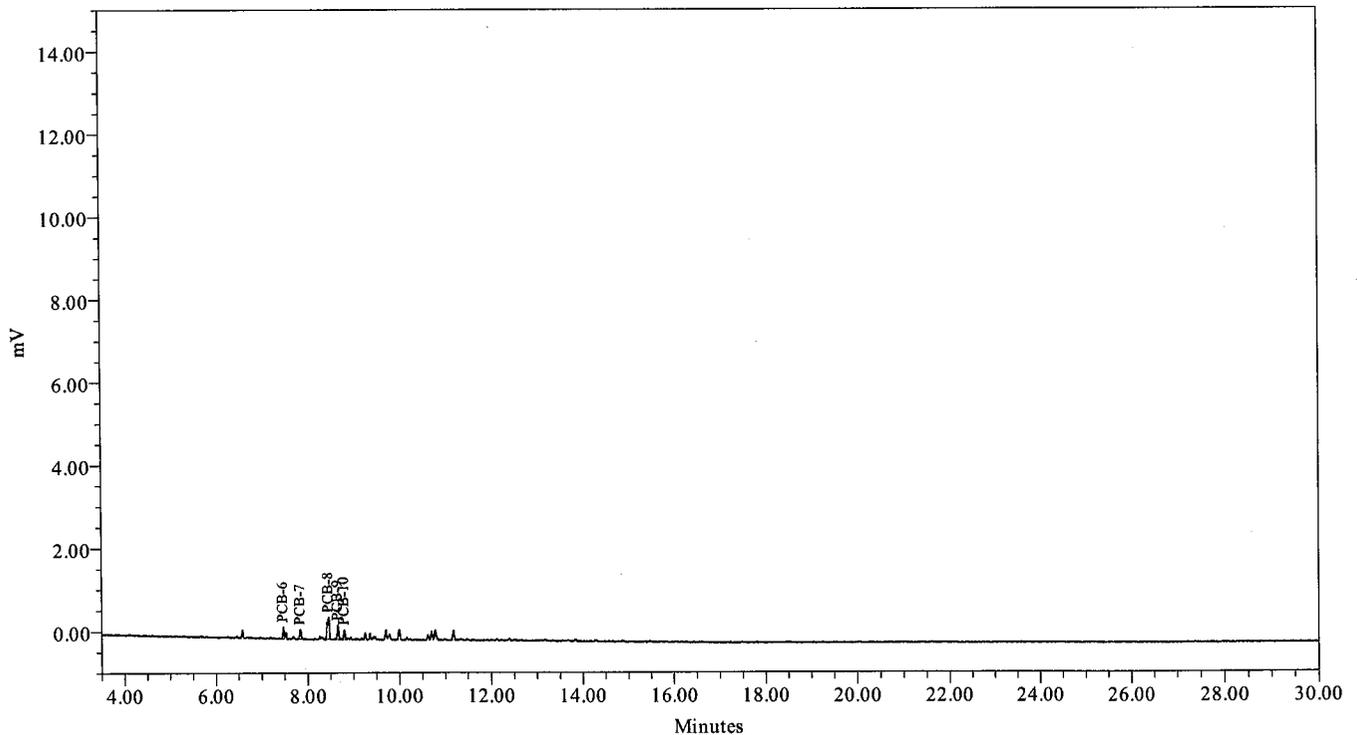
Sample Name: 120142B Sample Amount: 1  
Sample ID: A1242 100 PPB Dilution: 1  
Date Acquired: 12/01/2008 21:30:00 EST Extract Volume: 1  
Project Name: PCB/GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:46:34 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:40:42 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-19

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.472	bV	478
2 PCB-7	7.844	bb	459
3 PCB-8	8.459	bb	1636
4 PCB-9	8.664	bb	708
5 PCB-10	8.800	bb	458

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	3739	
2 A1232	3261	
3 A1232-8/9	917	
4 A1242	3739	100.000





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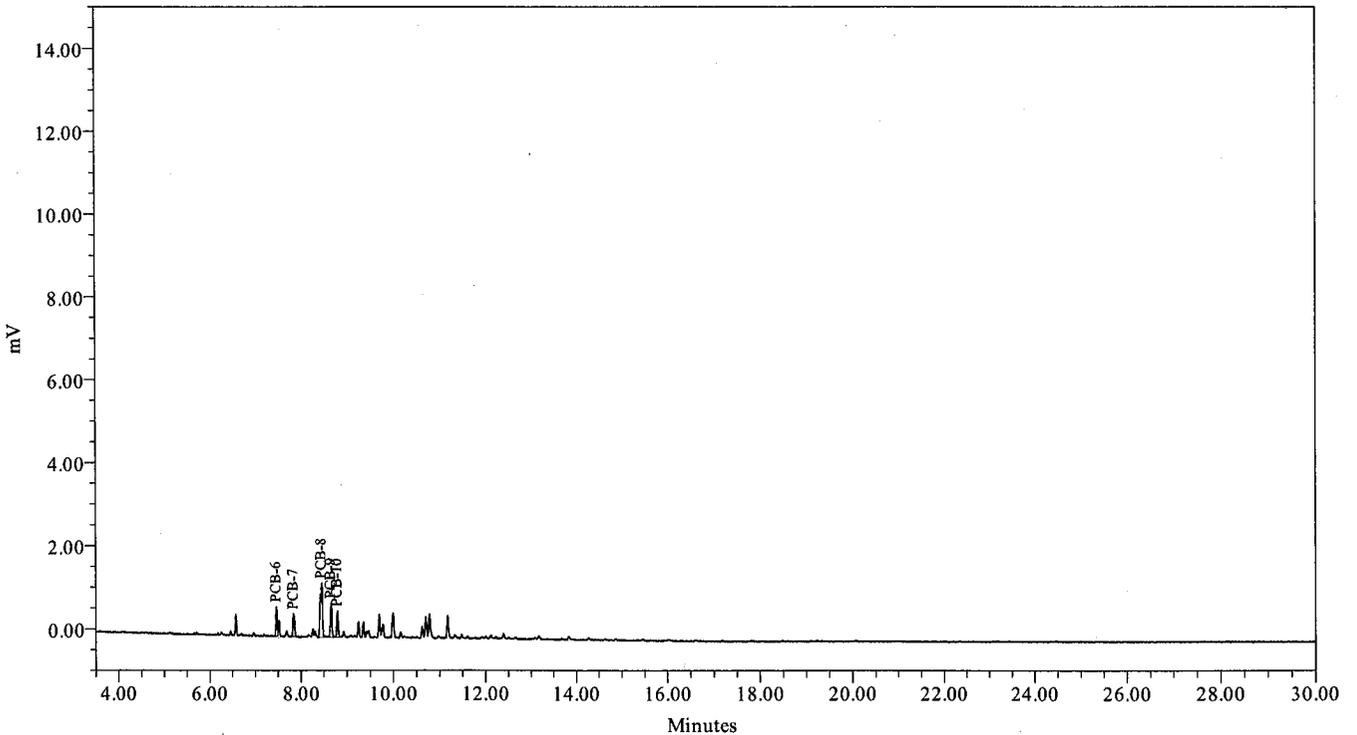
Sample Name:	120142C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	12/01/2008 22:02:36 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/02/2008 11:46:49 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:41:00 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-20

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.472	bV	1198
2 PCB-7	7.844	bb	1223
3 PCB-8	8.459	bV	4209
4 PCB-9	8.664	VV	1751
5 PCB-10	8.801	VV	1175

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	9556	
2 A1232	8357	
3 A1232-8/9	2398	
4 A1242	9556	250.000





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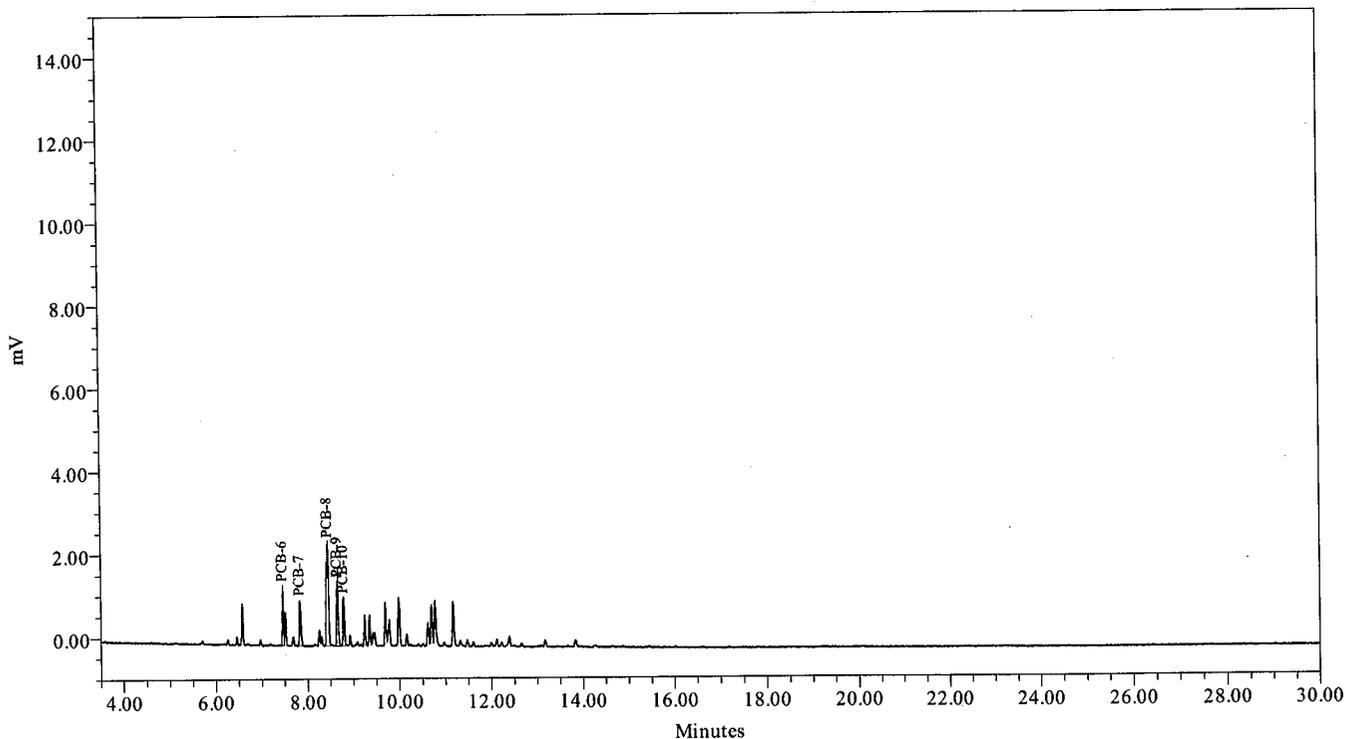
Sample Name:	120142D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	12/01/2008 22:35:12 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:47:04 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:41:09 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-21

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.470	bV	2410
2 PCB-7	7.841	bb	2460
3 PCB-8	8.455	bV	8053
4 PCB-9	8.661	VV	3296
5 PCB-10	8.797	VV	2323

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	18543	
2 A1232	16132	
3 A1232-8/9	4783	
4 A1242	18543	500.000





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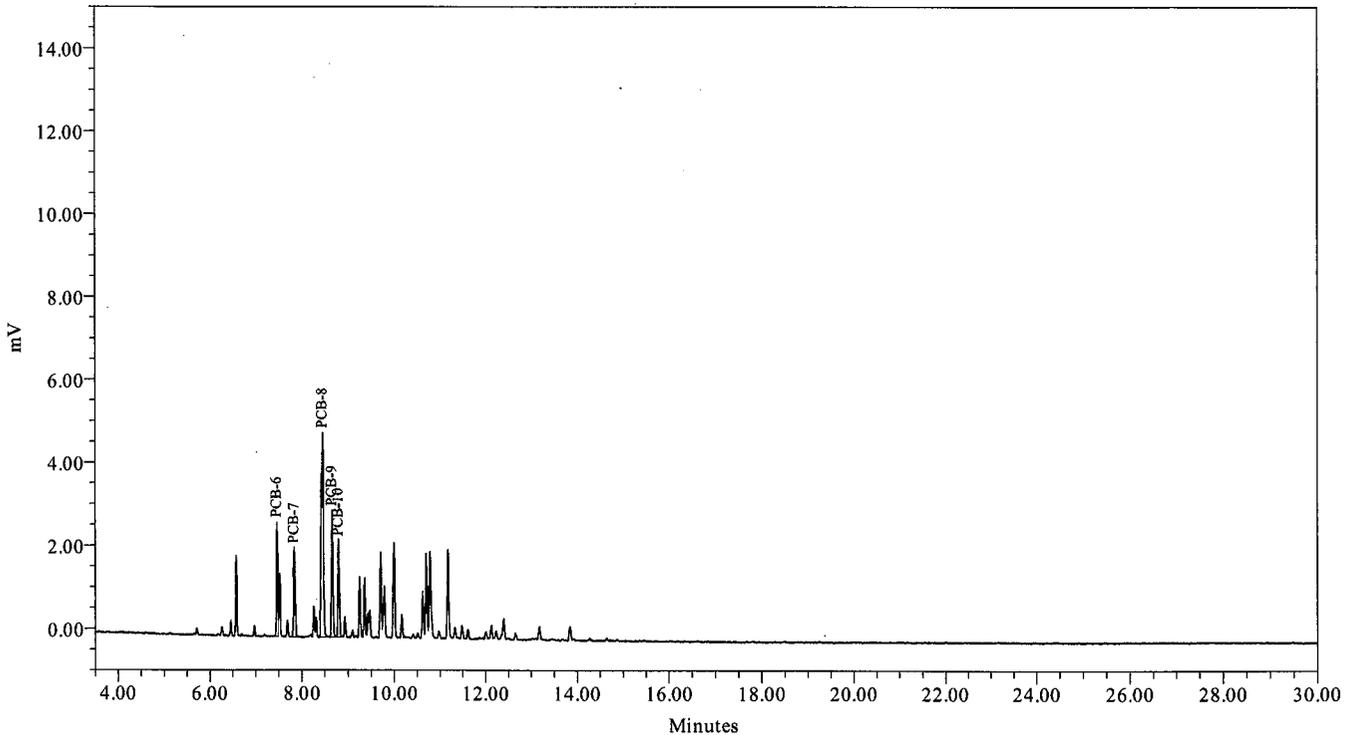
Sample Name:	120142E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	12/01/2008 23:07:49 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/02/2008 11:47:20 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:41:25 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-22

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-6	7.473	bV	4632
2 PCB-7	7.845	bb	4836
3 PCB-8	8.460	bV	15688
4 PCB-9	8.664	VV	6380
5 PCB-10	8.802	VV	4464

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1016	36000	
2 A1232	31367	
3 A1232-8/9	9300	
4 A1242	36000	1000.000





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System Name: Instrument\_20\_Ch01 Date Calibrated: 12/02/2008 11:53:00 EST  
Sample Set Name: GC20F\_8082CC\_120108 Method Report: CCSum by RF 02  
Sample Set Date: 12/01/2008 11:34:19 EST User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108

Calibration Component Summary Table  
Component Summary For RF

	Sample Name	A1248-11/15	A1248-14/15	A1248
1	120148A	22.1439	19.1458	34.0924
2	120148B	23.2220	16.9242	35.6939
3	120148C	23.6592	17.2126	36.2701
4	120148D	23.8715	17.1861	36.7139
5	120148E	22.6209	16.5005	34.8517
Mean		23.104	17.394	35.524
Std. Dev.		0.719	1.020	1.061
% RSD		3.11	5.87	2.99



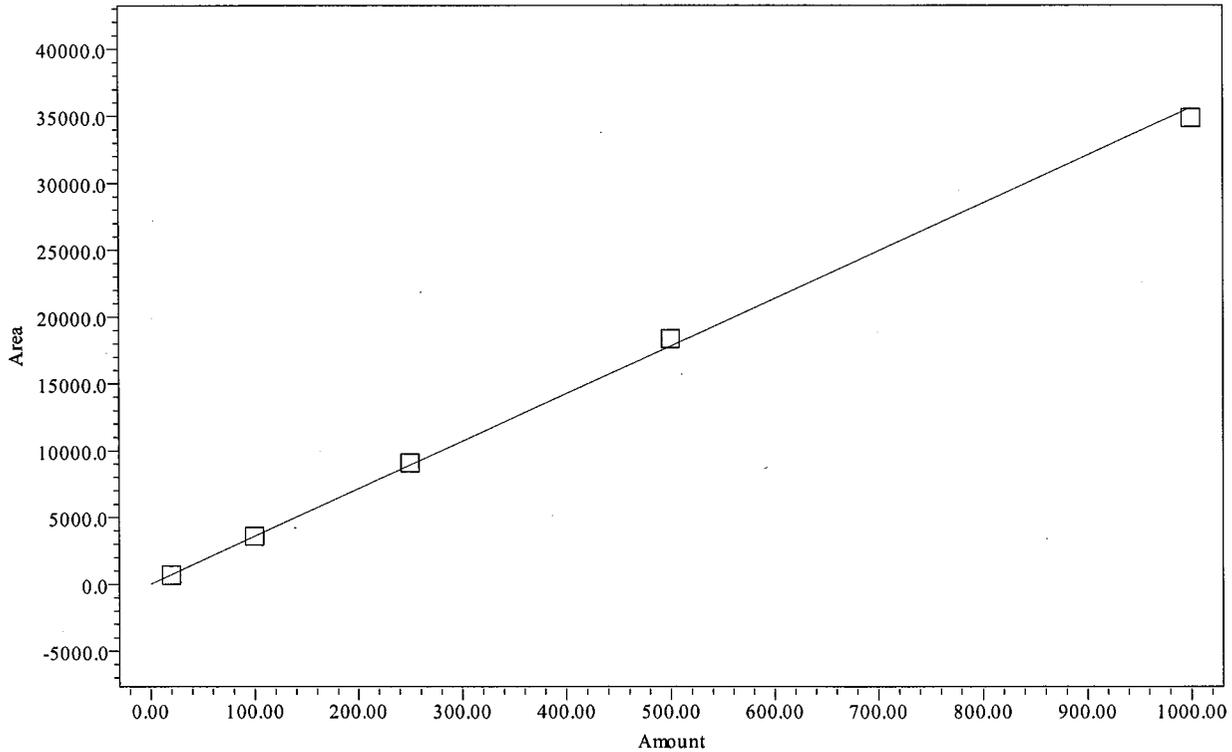
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Name:	A1248	Coefficient constant A:	-4.825895
System Name:	Instrument_20_Ch01	Coefficient first Order B:	35.589048
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999648
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999295

Calibration Curve



Point Table  
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	20.00	682	19.3	-3.527	No	No
2	A1248	100.00	3569	100.4	0.430	No	No
3	A1248	250.00	9068	254.9	1.968	No	No
4	A1248	500.00	18357	515.9	3.188	No	No
5	A1248	1000.00	34852	979.4	-2.058	No	No



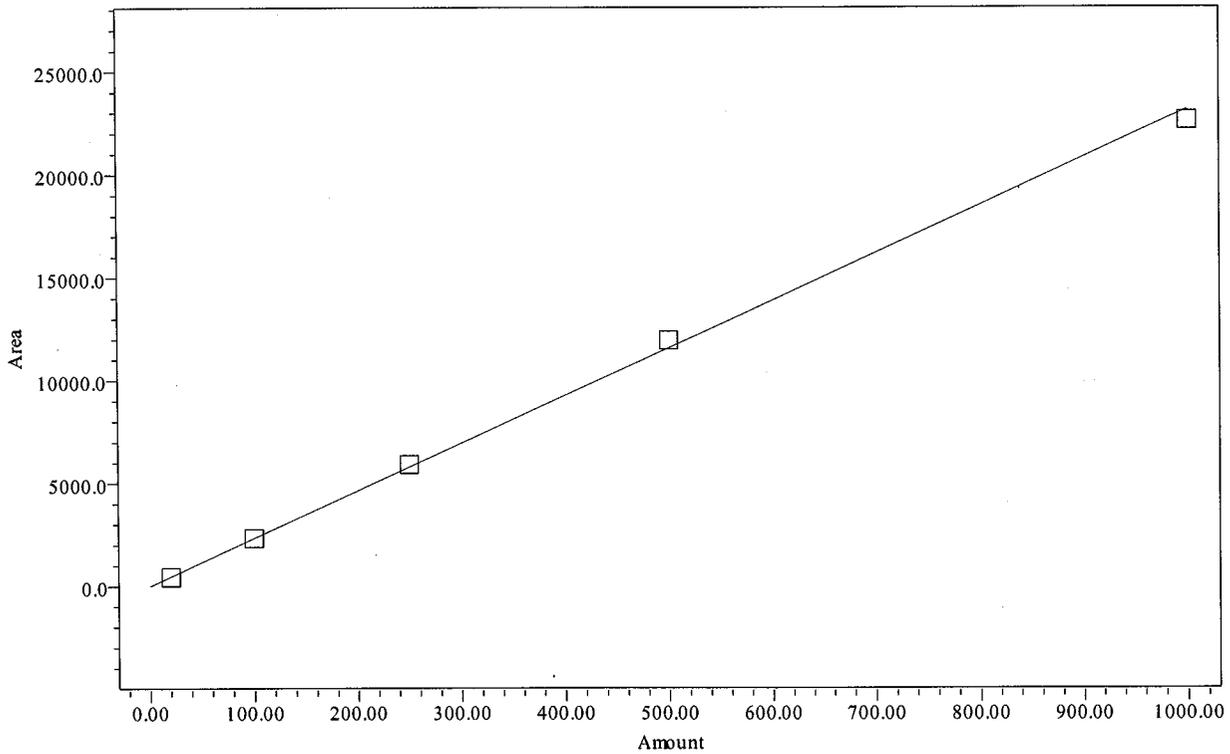
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Name:	A1248-11/15	Coefficient constant A:	-1.645932
System Name:	Instrument_20_Ch01	Coefficient first Order B:	23.125571
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999610
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999221

Calibration Curve



Point Table  
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	20.00	443	19.2	-3.889	No	No
2	A1248-11/15	100.00	2322	100.5	0.488	No	No
3	A1248-11/15	250.00	5915	255.8	2.336	No	No
4	A1248-11/15	500.00	11936	516.2	3.240	No	No
5	A1248-11/15	1000.00	22621	978.2	-2.175	No	No



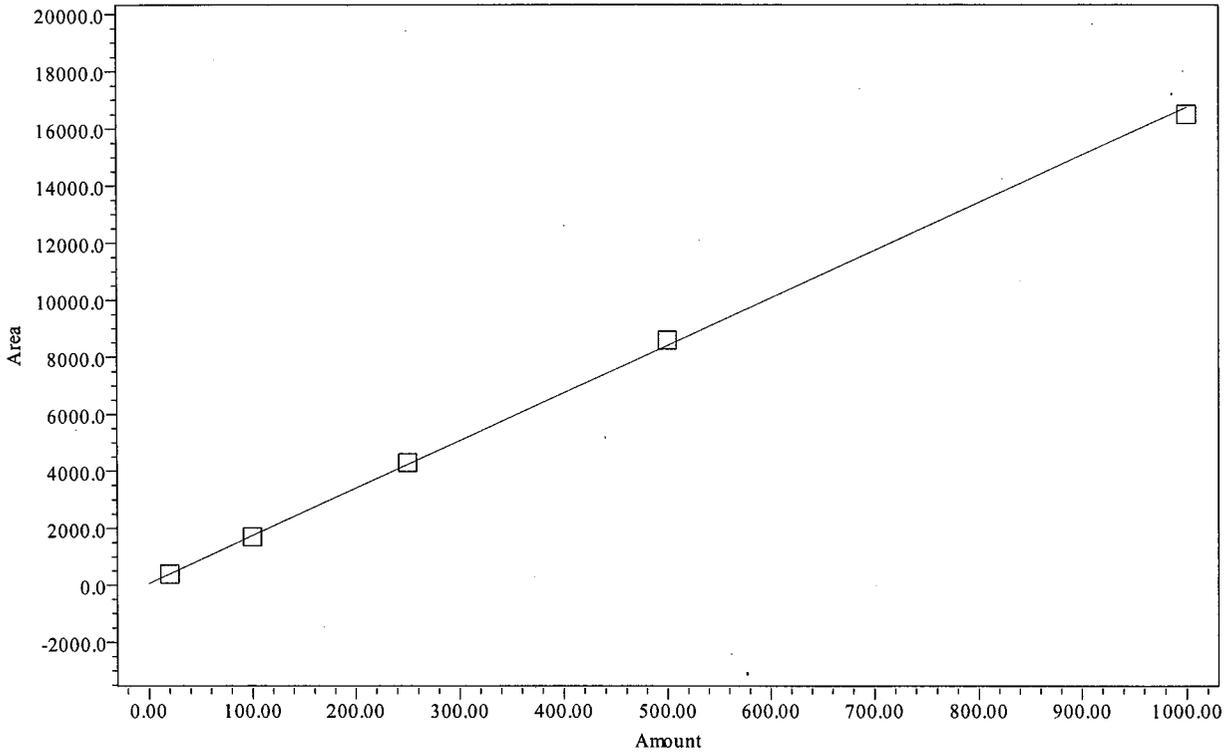
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Name:	A1248-14/15	Coefficient constant A:	52.568594
System Name:	Instrument_20_Ch01	Coefficient first Order B:	16.689410
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999798
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999596

Calibration Curve



Point Table  
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	20.00	383	19.8	-1.031	No	No
2	A1248-14/15	100.00	1692	98.3	-1.743	No	No
3	A1248-14/15	250.00	4303	254.7	1.875	No	No
4	A1248-14/15	500.00	8593	511.7	2.346	No	No
5	A1248-14/15	1000.00	16501	985.5	-1.447	No	No



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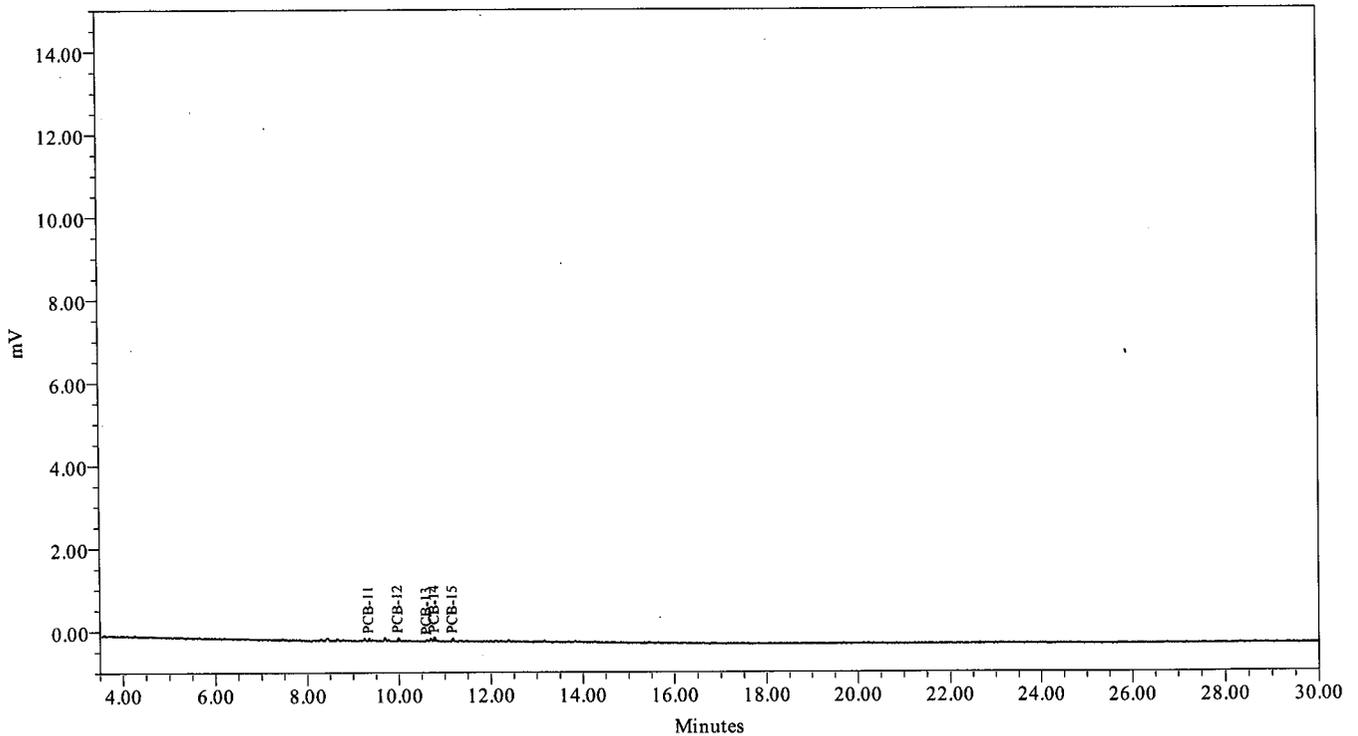
Sample Name: 120148A Sample Amount: 1  
Sample ID: A1248 20 PPB Dilution: 1  
Date Acquired: 12/01/2008 23:40:25 EST Extract Volume: 1  
Project Name: PCB/GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:48:14 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:41:34 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-23

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-11	9.356	bb	113
2 PCB-12	9.993	bb	206
3 PCB-13	10.619	bb	63
4 PCB-14	10.789	bb	173
5 PCB-15	11.183	bb	126

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1248	682	20.000
2 A1248-11/15	443	20.000
3 A1248-14/15	383	20.000





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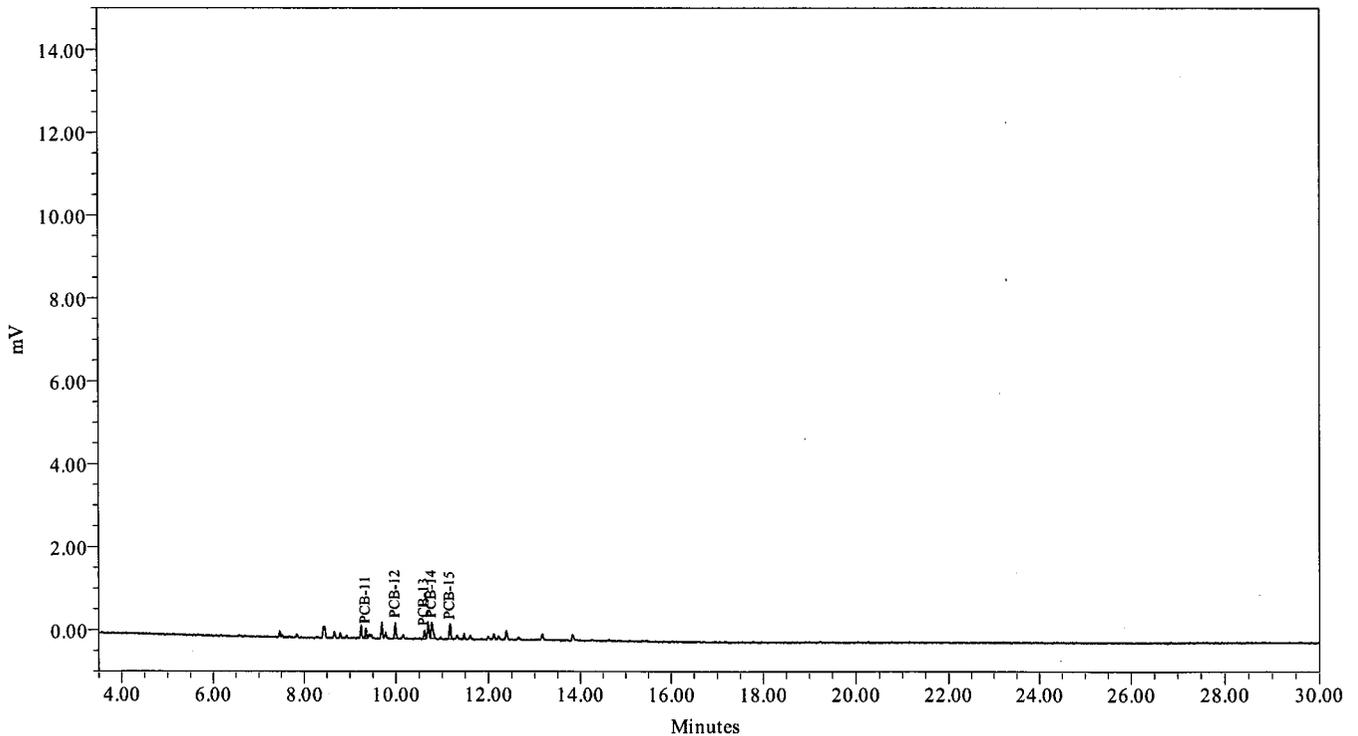
Sample Name:	120148B	Sample Amount:	1
Sample ID:	A1248 100 PPB	Dilution:	1
Date Acquired:	12/02/2008 00:13:01 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/02/2008 11:48:29 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:41:51 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-24

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-11	9.355	bb	459
2 PCB-12	9.994	bb	816
3 PCB-13	10.622	bV	417
4 PCB-14	10.779	Vb	1089
5 PCB-15	11.173	bb	788

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1248	3569	100.000
2 A1248-11/15	2322	100.000
3 A1248-14/15	1692	100.000





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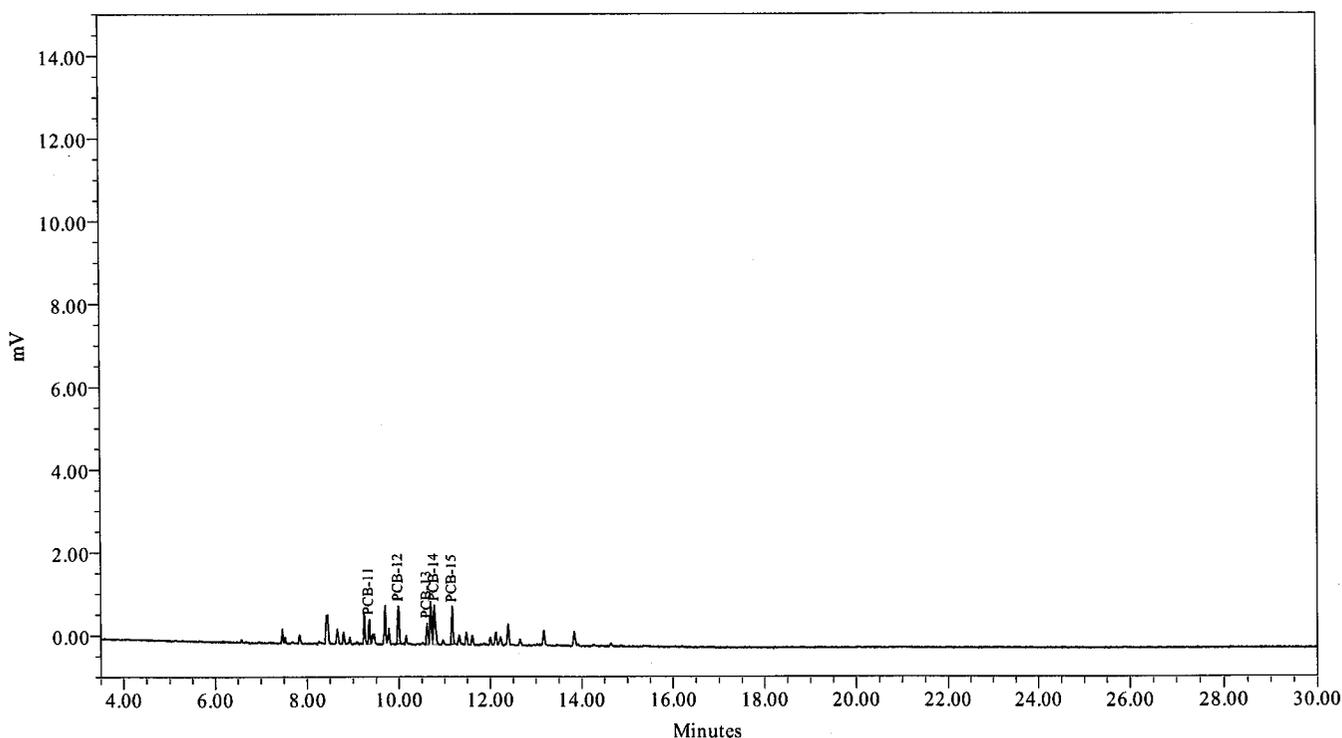
Sample Name:	120148C	Sample Amount:	1
Sample ID:	A1248 250 PPB	Dilution:	1
Date Acquired:	12/02/2008 00:45:38 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:48:47 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:41:59 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-25

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-11	9.359	bV	1154
2 PCB-12	9.997	bb	2035
3 PCB-13	10.625	bV	1114
4 PCB-14	10.782	Vb	2766
5 PCB-15	11.175	bb	1999

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1248	9068	250.000
2 A1248-11/15	5915	250.000
3 A1248-14/15	4303	250.000





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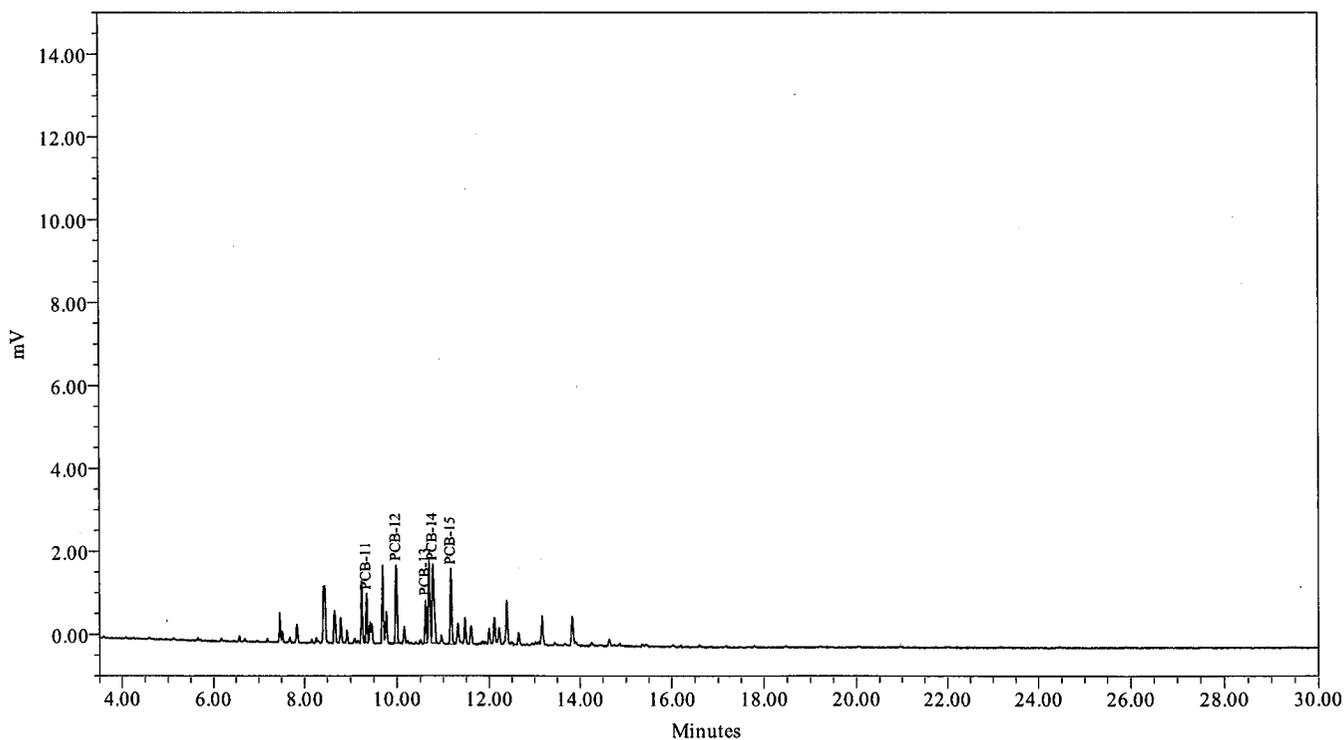
Sample Name:	120148D	Sample Amount:	1
Sample ID:	A1248 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 01:18:15 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:49:05 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:42:16 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	.GC20F-308-26

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-11	9.355	bV	2215
2 PCB-12	9.994	bb	4188
3 PCB-13	10.621	bV	2190
4 PCB-14	10.778	Vb	5557
5 PCB-15	11.171	bb	4207

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1248	18357	500.000
2 A1248-11/15	11936	500.000
3 A1248-14/15	8593	500.000





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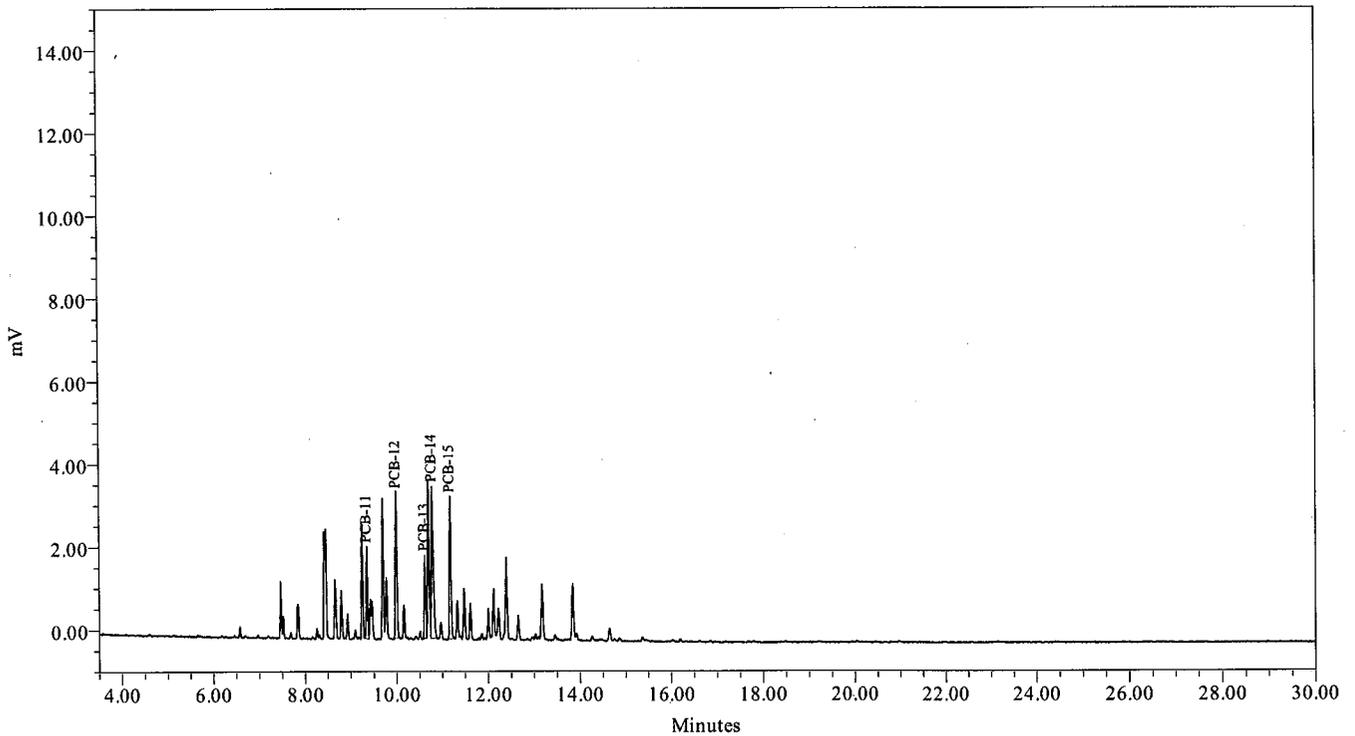
Sample Name: 120148E Sample Amount: 1  
Sample ID: A1248 1000 PPB Dilution: 1  
Date Acquired: 12/02/2008 01:50:52 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:49:23 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:42:26 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-27

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-11	9.360	bV	4301
2 PCB-12	9.999	bb	7953
3 PCB-13	10.626	bV	4247
4 PCB-14	10.783	Vb	10422
5 PCB-15	11.176	bb	7930

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1248	34852	1000.000
2 A1248-11/15	22621	1000.000
3 A1248-14/15	16501	1000.000





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System Name:	Instrument_20_Ch01	Date Calibrated:	12/02/2008 11:53:00 EST
Sample Set Name:	GC20F_8082CC_120108	Method Report:	CCSum by RF 01
Sample Set Date:	12/01/2008 11:34:19 EST	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108		

Calibration Component Summary Table  
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	120154B	31.5943	31.7601	41.7450	53.0854
2	120154C	32.6706	32.2710	42.2713	55.0443
3	120154D	31.5000	31.2269	40.9287	53.1889
4	120154E	29.9294	29.8271	38.9946	50.7662
5	120154A	30.0014	32.5948	42.5883	53.4439
Mean		31.139	31.536	41.306	53.106
Std. Dev.		1.166	1.087	1.436	1.529
% RSD		3.75	3.45	3.48	2.88

Calibration Component Summary Table  
Component Summary For RF

	Sample Name	TCMX	DCBP
1	120154A	248.1788	219.0560
2	120154B	246.5039	225.3667
3	120154C	234.8761	210.7184
4	120154D	229.1173	209.0124
5	120154E	223.0923	204.4929
Mean		236.354	213.729
Std. Dev.		10.877	8.373
% RSD		4.60	3.92



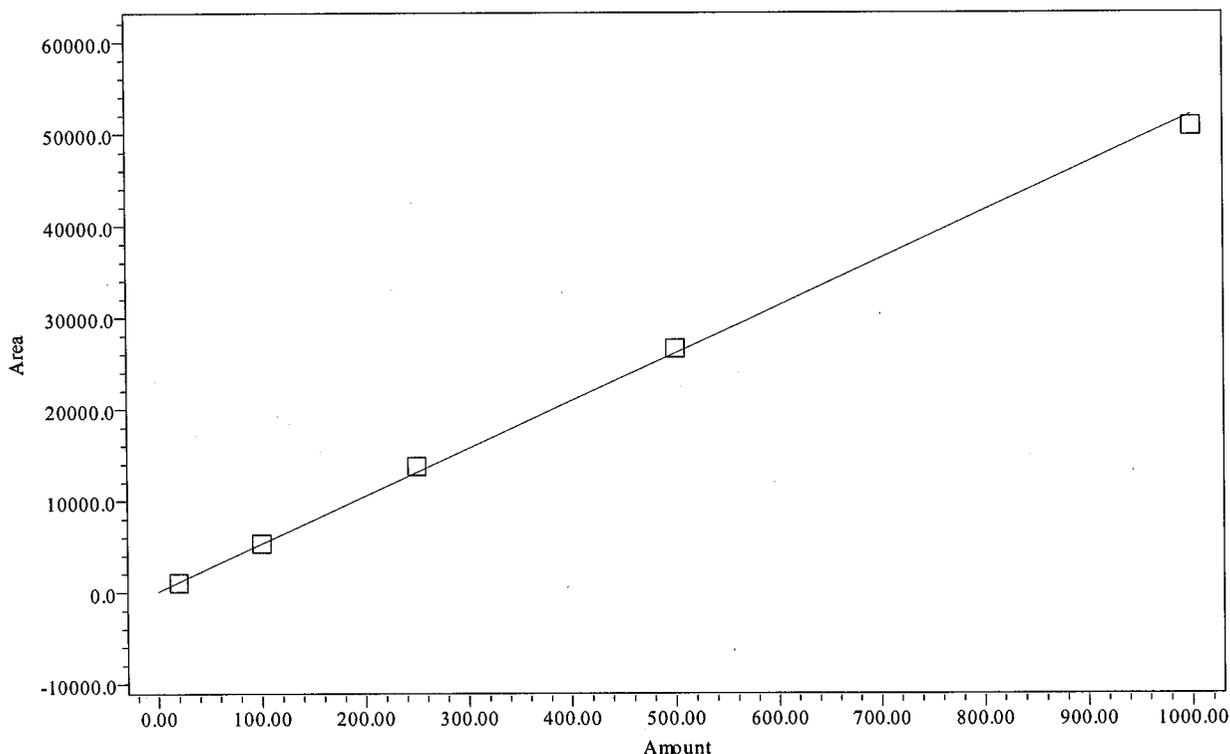
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Name:	A1254	Coefficient constant A:	90.166304
System Name:	Instrument_20_Ch01	Coefficient first Order B:	51.897509
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999475
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.998951

Calibration Curve



Point Table

Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1069	18.9	-5.707	No	No
2	A1254	100.00	5309	100.6	0.552	No	No
3	A1254	250.00	13761	263.4	5.368	No	No
4	A1254	500.00	26594	510.7	2.141	No	No
5	A1254	1000.00	50766	976.5	-2.354	No	No



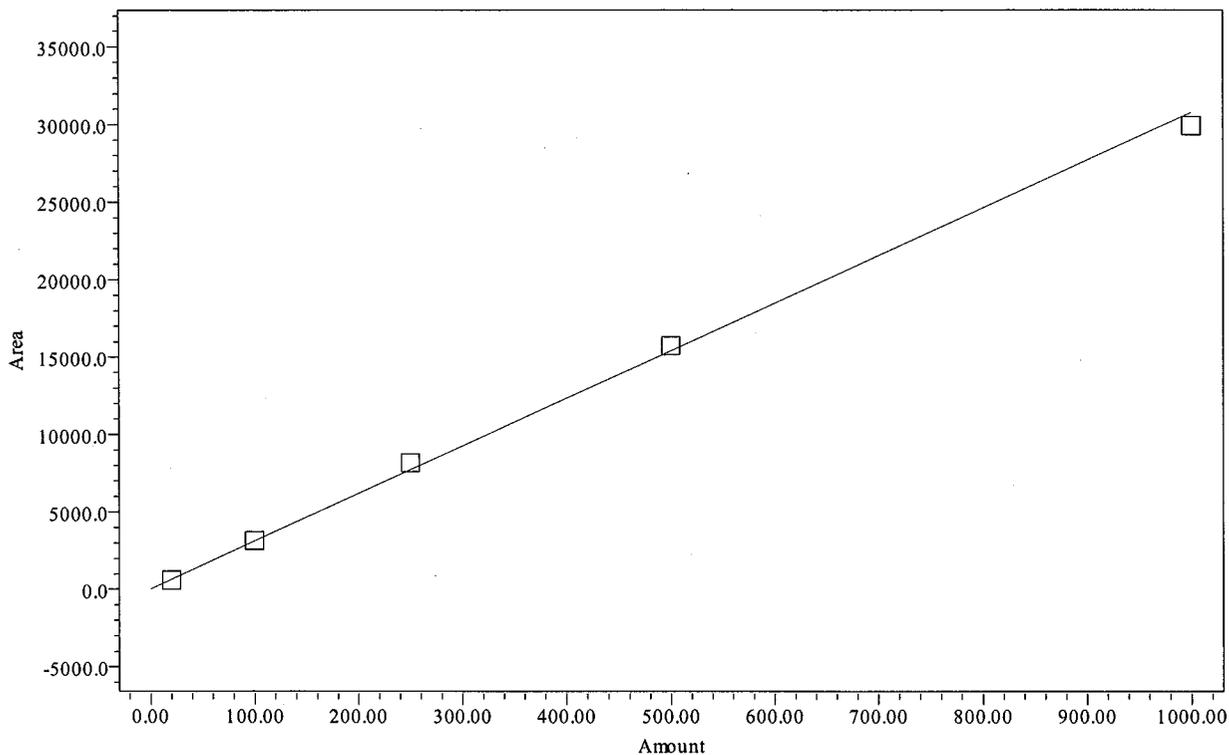
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Name:	A1254-17/18	Coefficient constant A:	31.095744
System Name:	Instrument_20_Ch01	Coefficient first Order B:	30.722446
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999328
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.998656

Calibration Curve



Point Table  
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	600	18.5	-7.408	No	No
2	A1254-17/18	100.00	3159	101.8	1.826	No	No
3	A1254-17/18	250.00	8168	264.8	5.936	No	No
4	A1254-17/18	500.00	15750	511.6	2.328	No	No
5	A1254-17/18	1000.00	29929	973.2	-2.683	No	No



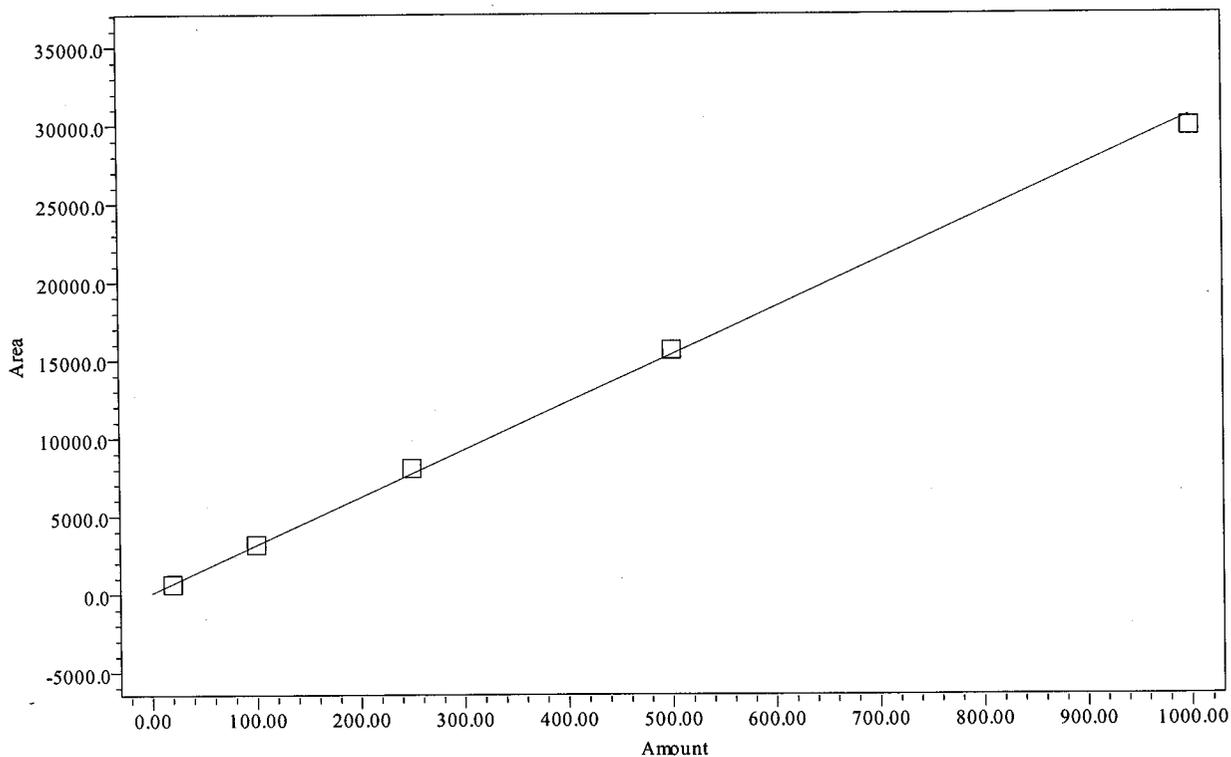
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Name:	A1254-19/20	Coefficient constant A:	81.565720
System Name:	Instrument_20_Ch01	Coefficient first Order B:	30.442990
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999517
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999033

Calibration Curve



Point Table  
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	652	18.7	-6.328	No	No
2	A1254-19/20	100.00	3176	101.6	1.647	No	No
3	A1254-19/20	250.00	8068	262.3	4.933	No	No
4	A1254-19/20	500.00	15613	510.2	2.039	No	No
5	A1254-19/20	1000.00	29827	977.1	-2.291	No	No



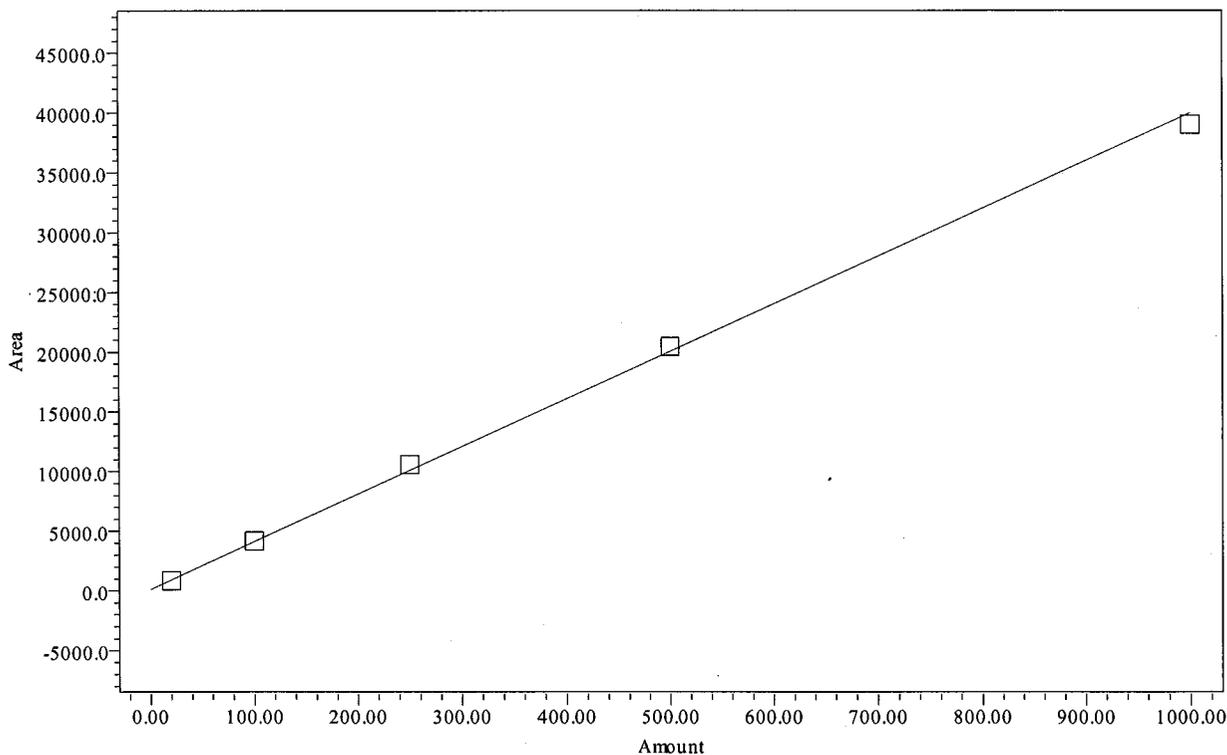
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Name:	A1254-20	Coefficient constant A:	109.103513
System Name:	Instrument_20_Ch01	Coefficient first Order B:	39.843600
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999475
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.998950

Calibration Curve



Point Table  
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	852	18.6	-6.803	No	No
2	A1254-20	100.00	4175	102.0	2.034	No	No
3	A1254-20	250.00	10568	262.5	4.998	No	No
4	A1254-20	500.00	20464	510.9	2.176	No	No
5	A1254-20	1000.00	38995	976.0	-2.405	No	No



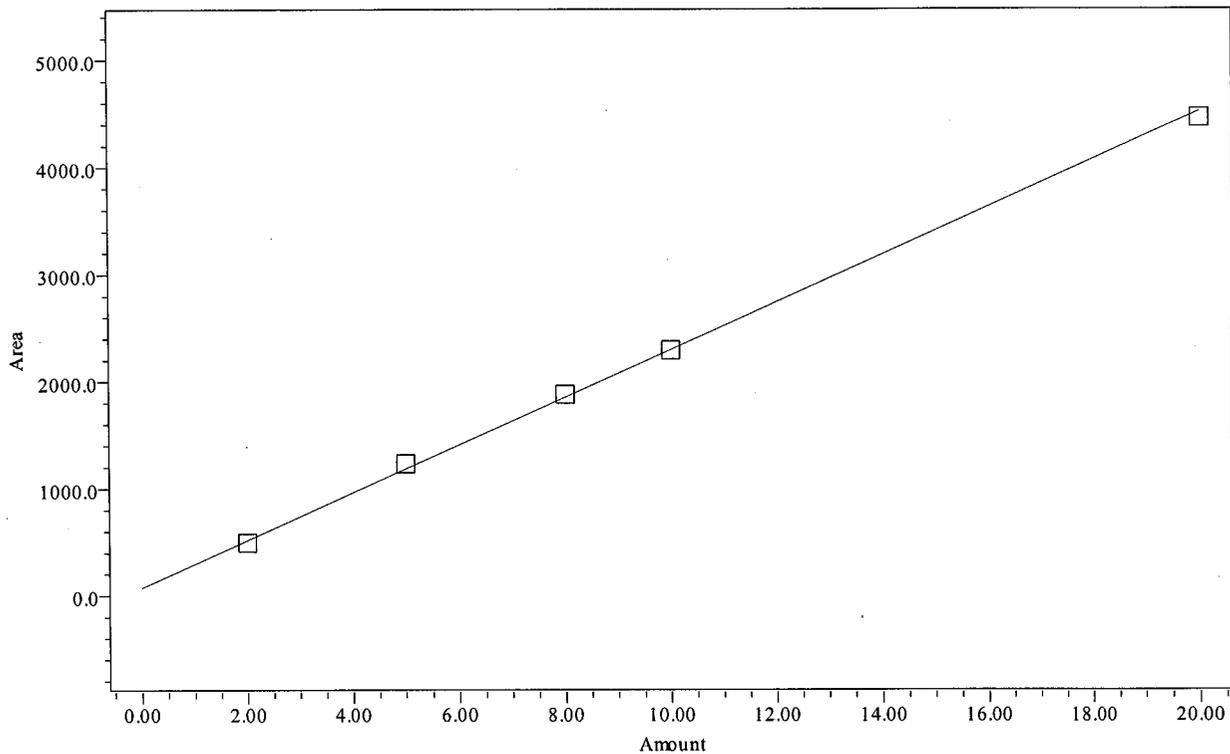
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Name:	TCMX	Coefficient constant A:	72.850679
System Name:	Instrument_20_Ch01	Coefficient first Order B:	222.147808
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999505
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999010

Calibration Curve



Point Table  
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	496	1.9	-4.679	No	No
2	TCMX	5.00	1233	5.2	4.405	No	No
3	TCMX	8.00	1879	8.1	1.630	No	No
4	TCMX	10.00	2291	10.0	-0.142	No	No
5	TCMX	20.00	4462	19.8	-1.215	No	No



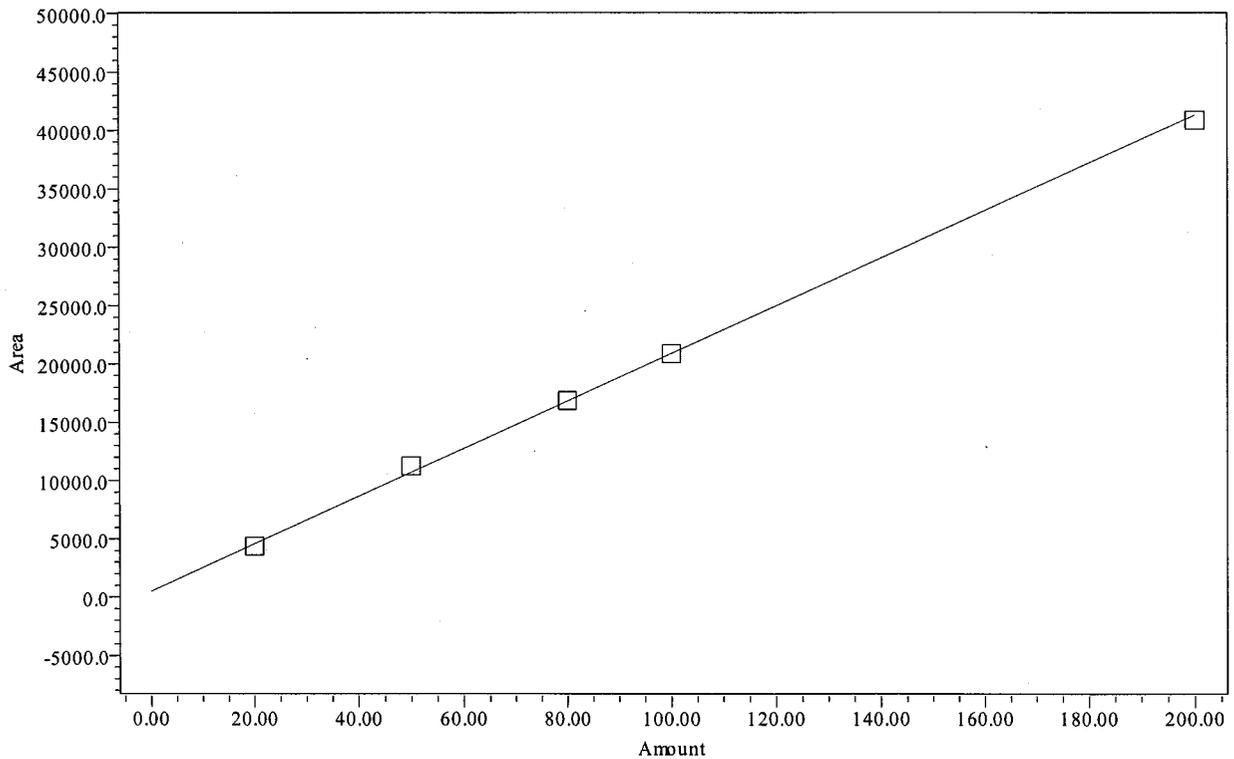
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Name:	DCBP	Coefficient constant A:	495.742085
System Name:	Instrument_20_Ch01	Coefficient first Order B:	204.062320
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999426
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.998853

Calibration Curve



Point Table  
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	4381	19.0	-4.799	No	No
2	DCBP	50.00	11268	52.8	5.581	No	No
3	DCBP	80.00	16857	80.2	0.225	No	No
4	DCBP	100.00	20901	100.0	-0.004	No	No
5	DCBP	200.00	40899	198.0	-1.004	No	No



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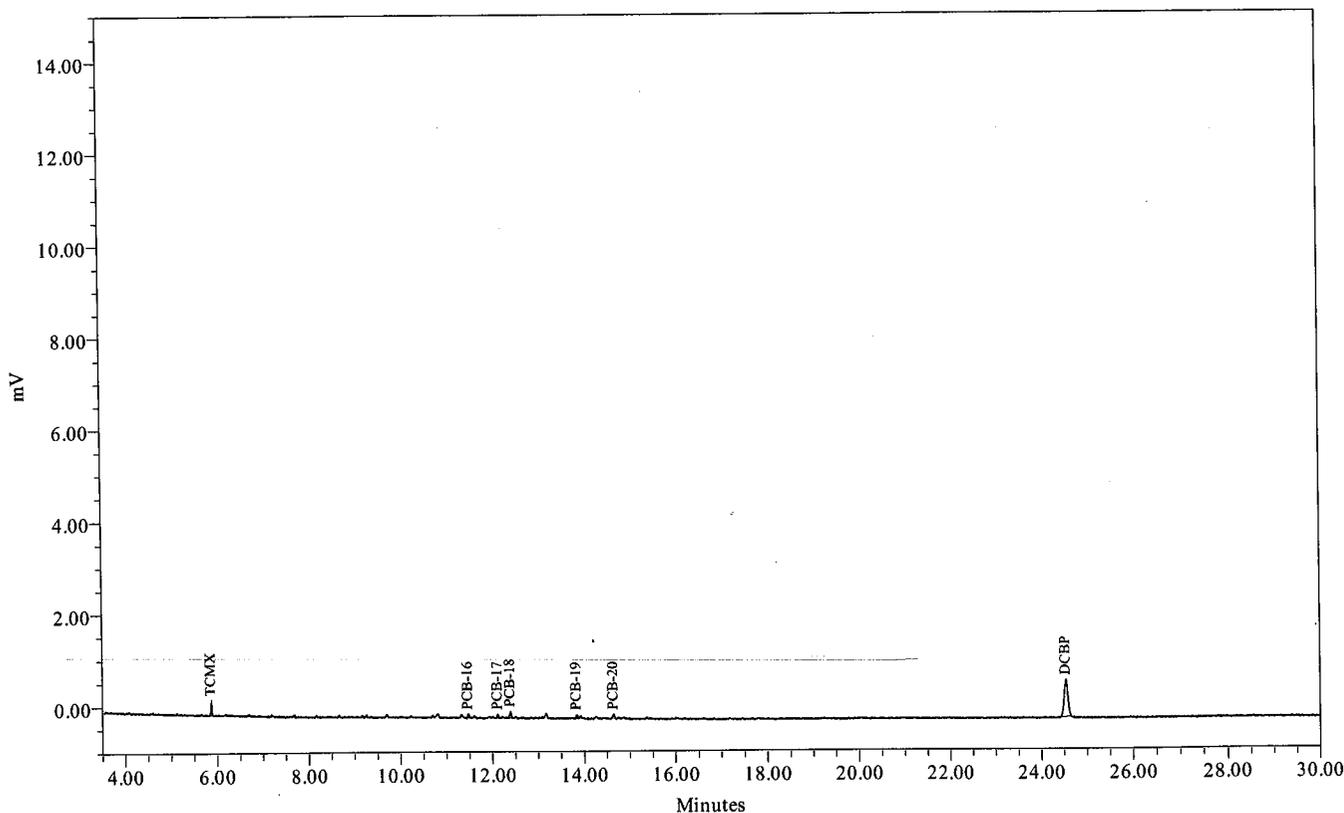
Sample Name: 120154A Sample Amount: 1  
Sample ID: A1254 20 PPB Dilution: 1  
Date Acquired: 12/02/2008 02:23:28 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 09:38:08 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:44:24 US/Eastern  
Report Name: CalStd\_rpt\_plt\_1254 LIMS File ID: GC20F-308-28

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1 TCMX	5.882	bb	496	2.000
2 PCB-16	11.475	bb	183	
3 PCB-17	12.121	bb	166	
4 PCB-18	12.395	bb	303	
5 PCB-19	13.841	bb	200	
6 PCB-20	14.644	bb	217	
7 DCBP	24.542	bb	4381	20.000

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	1069	20.000
2 A1254-17/18	600	20.000
3 A1254-19/20	652	20.000
4 A1254-20	852	20.000
5 A1260	217	
6 A1260-23/24	217	
7 A1262	217	





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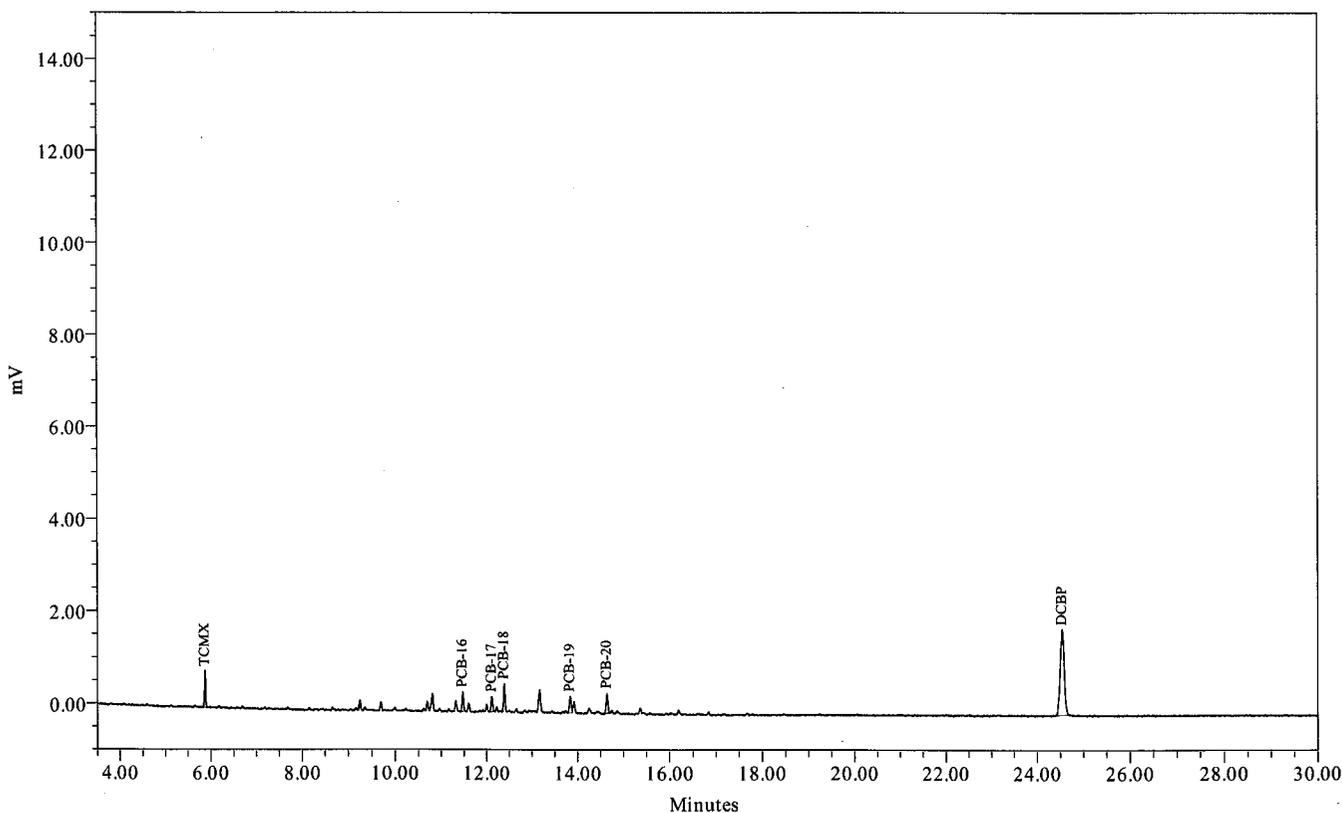
Sample Name:	120154B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	12/02/2008 02:56:05 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/02/2008 09:33:38 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:44:49 USEastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC20F-308-29

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1 TCMX	5.880	bb	1233	5.000
2 PCB-16	11.478	bb	1027	
3 PCB-17	12.119	bb	741	
4 PCB-18	12.394	bb	1409	
5 PCB-19	13.841	bV	998	
6 PCB-20	14.644	bb	1134	
7 DCBP	24.547	bb	11268	50.000

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	5309	100.000
2 A1254-17/18	3159	100.000
3 A1254-19/20	3176	100.000
4 A1254-20	4175	100.000
5 A1260	1134	
6 A1260-23/24	1134	
7 A1262	1134	





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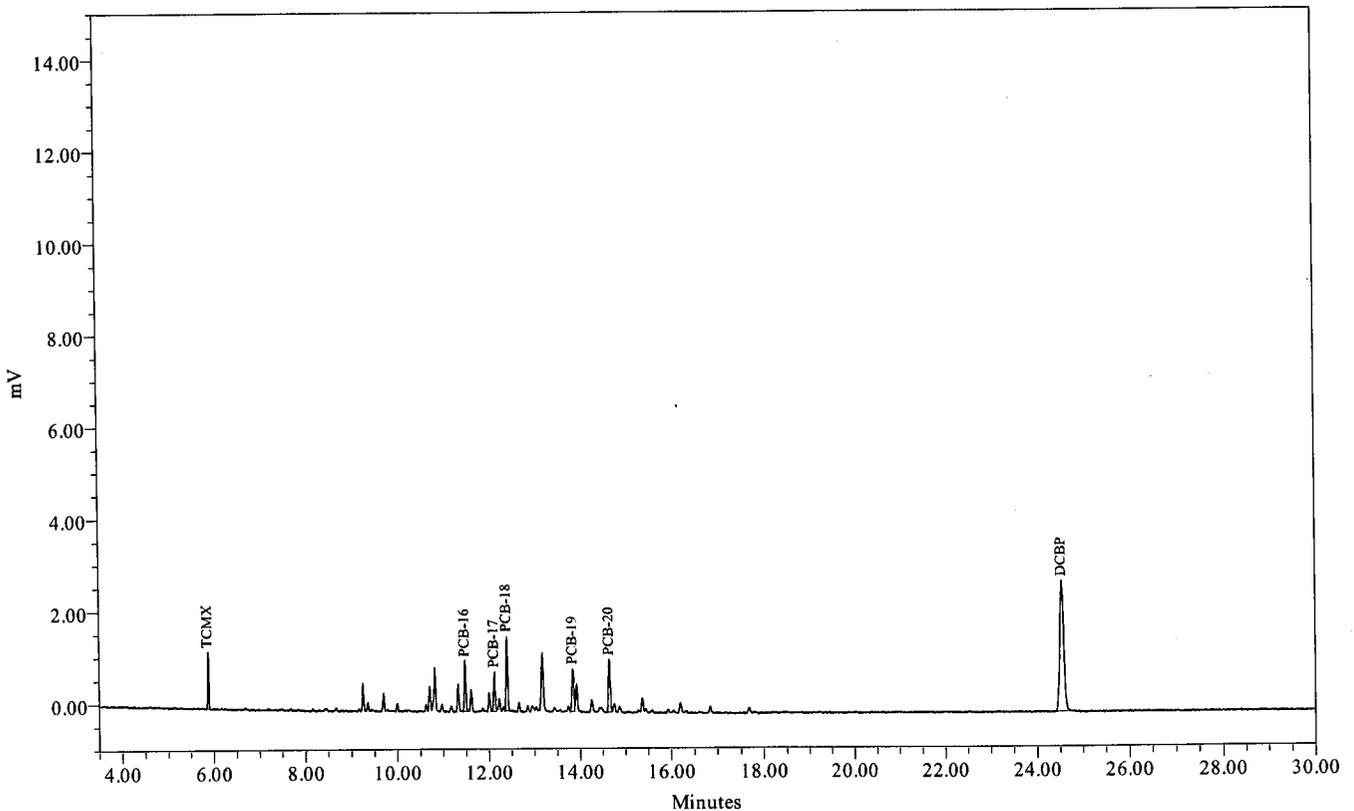
Sample Name:	120154C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	12/02/2008 03:28:40 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 09:34:08 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:44:51 US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC20F-308-30

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1 TCMX	5.883	bb	1879	8.000
2 PCB-16	11.481	bb	2474	
3 PCB-17	12.123	bV	1989	
4 PCB-18	12.397	Bb	3604	
5 PCB-19	13.847	bV	2500	
6 PCB-20	14.648	bV	3193	
7 DCBP	24.547	bb	16857	80.000

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	13761	250.000
2 A1254-17/18	8168	250.000
3 A1254-19/20	8068	250.000
4 A1254-20	10568	250.000
5 A1260	3193	
6 A1260-23/24	3193	
7 A1262	3193	





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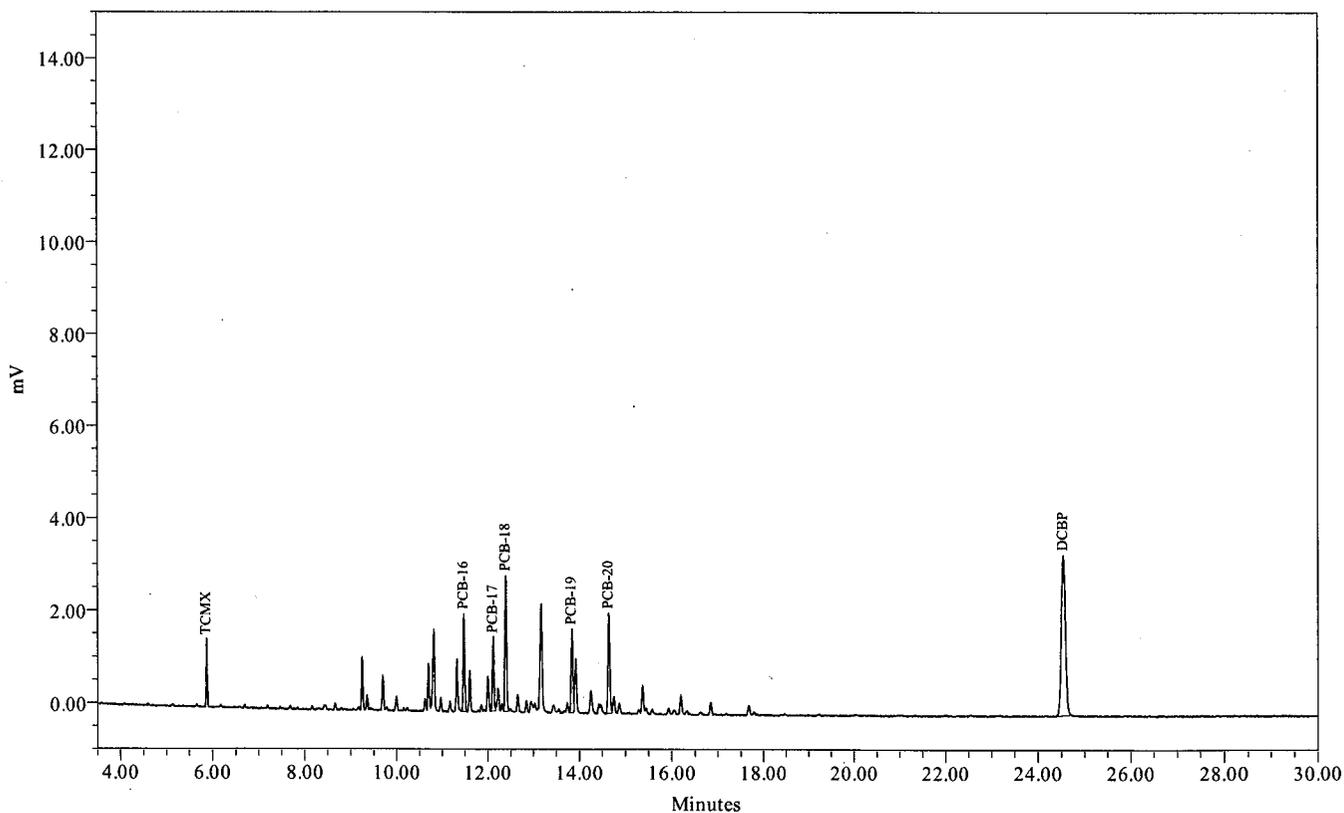
Sample Name:	120154D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 04:01:17 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 09:34:43 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:45:08 US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC20F-308-31

### Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1 TCMX	5.883	bb	2291	10.000
2 PCB-16	11.480	Vb	4769	
3 PCB-17	12.122	bV	3756	
4 PCB-18	12.396	Vv	7088	
5 PCB-19	13.844	bV	4851	
6 PCB-20	14.645	bV	6130	
7 DCBP	24.545	bb	20901	100.000

### Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	26594	500.000
2 A1254-17/18	15750	500.000
3 A1254-19/20	15613	500.000
4 A1254-20	20464	500.000
5 A1260	6130	
6 A1260-23/24	6130	
7 A1262	6130	





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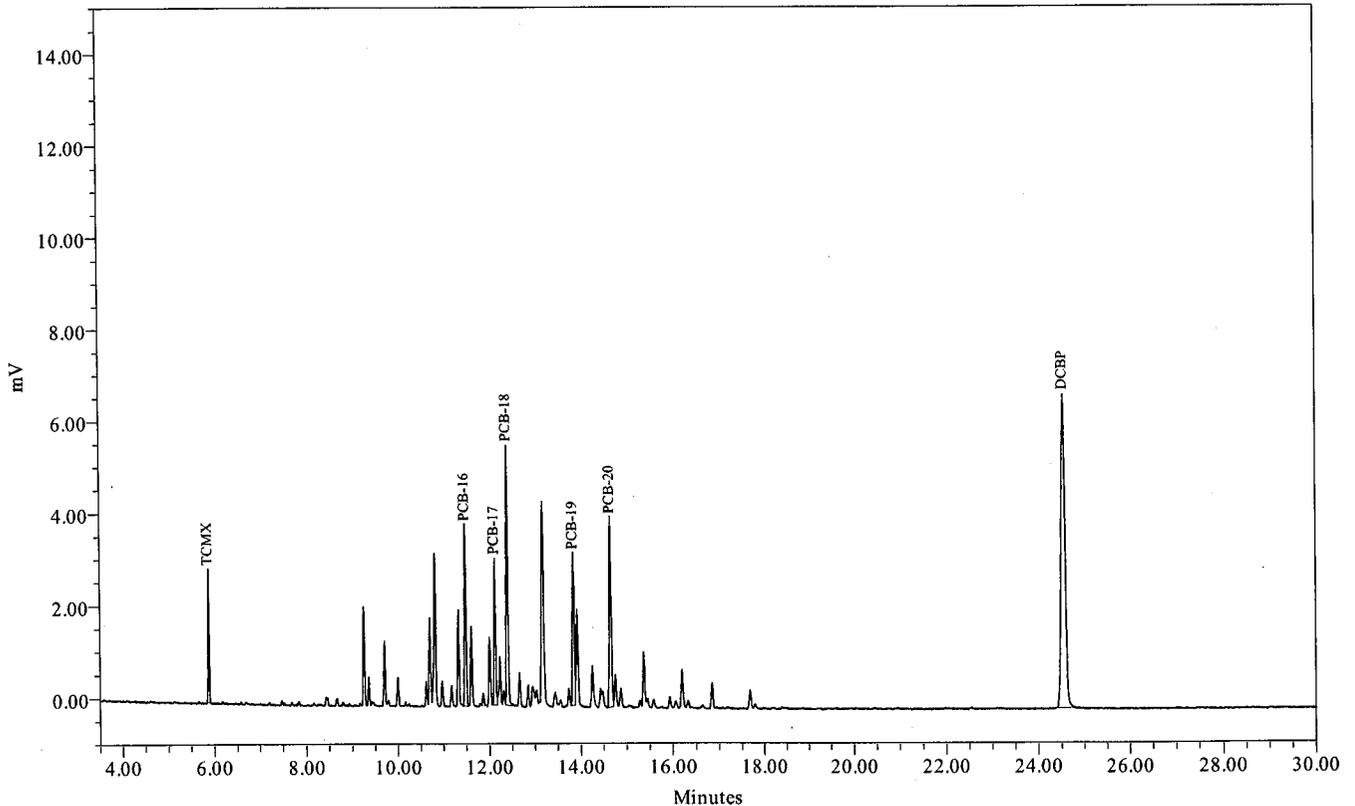
Sample Name:	120154E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	12/02/2008 04:33:53 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 09:35:38 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantigne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:45:16 US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC20F-308-32

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1 TCMX	5.884	bb	4462	20.000
2 PCB-16	11.482	bV	8990	
3 PCB-17	12.124	bV	7239	
4 PCB-18	12.397	Vb	13598	
5 PCB-19	13.845	bV	9167	
6 PCB-20	14.649	bV	11772	
7 DCBP	24.550	bb	40899	200.000

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	50766	1000.000
2 A1254-17/18	29929	1000.000
3 A1254-19/20	29827	1000.000
4 A1254-20	38995	1000.000
5 A1260	11772	
6 A1260-23/24	11772	
7 A1262	11772	





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System Name: Instrument\_20\_Ch01 Date Calibrated: 12/02/2008 11:53:00 EST  
Sample Set Name: GC20F\_8082CC\_120108 Method Report: CCSum by RF 02  
Sample Set Date: 12/01/2008 11:34:19 EST User Name: Kari Lantigne (KariL)  
Processing Method: GC20F\_8082CC\_120108

Calibration Component Summary Table  
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	120160A	54.6497	37.6992	45.4715
2	120160B	59.1332	41.3118	50.7937
3	120160C	56.4915	40.1811	47.1720
4	120160D	56.4082	40.2571	46.8807
5	120160E	55.0999	39.2269	45.3724
Mean		56.356	39.735	47.138
Std. Dev.		1.748	1.357	2.198
% RSD		3.10	3.41	4.66



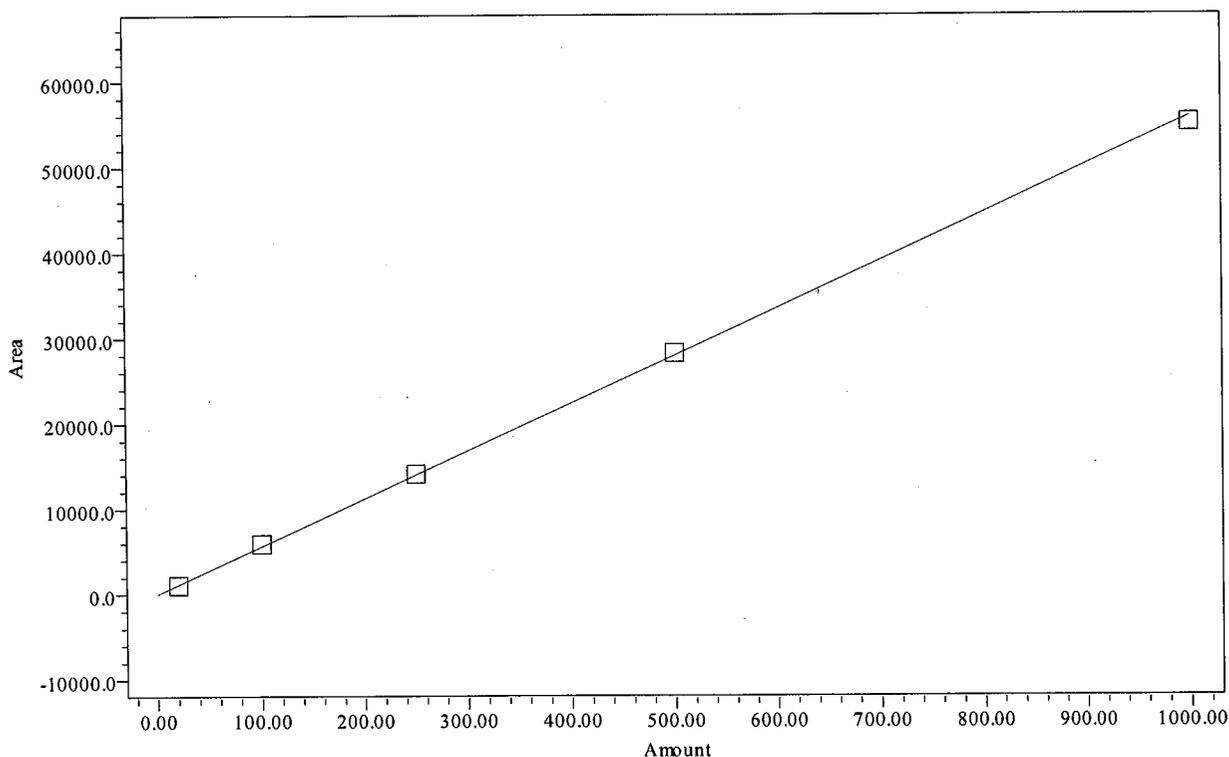
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Name:	A1260	Coefficient constant A:	47.535586
System Name:	Instrument_20_Ch01	Coefficient first Order B:	55.719497
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999806
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999611

Calibration Curve



Point Table  
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	20.00	1093	18.8	-6.186	No	No
2	A1260	100.00	5913	105.3	5.273	No	No
3	A1260	250.00	14123	252.6	1.044	No	No
4	A1260	500.00	28204	505.3	1.065	No	No
5	A1260	1000.00	55100	988.0	-1.197	No	No



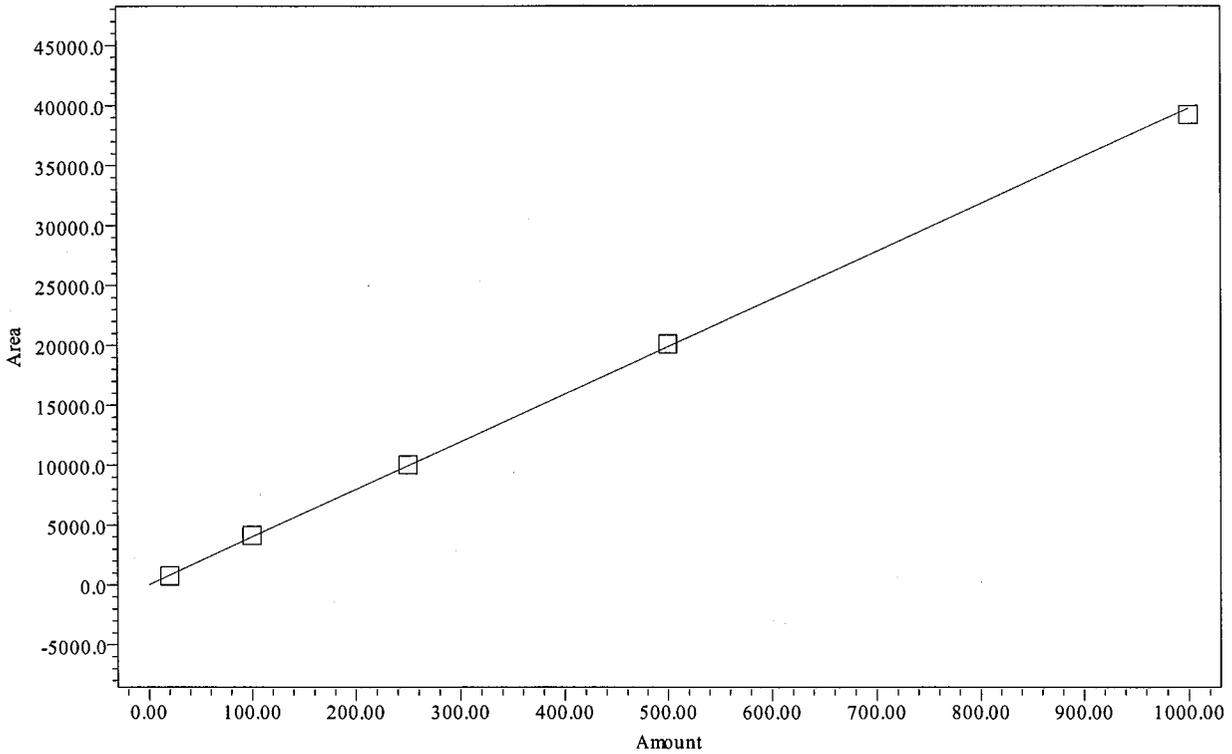
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Name:	A1260-20	Coefficient constant A:	0.946132
System Name:	Instrument_20_Ch01	Coefficient first Order B:	39.722543
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999836
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999672

Calibration Curve



Point Table  
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	20.00	754	19.0	-5.213	No	No
2	A1260-20	100.00	4131	104.0	3.977	No	No
3	A1260-20	250.00	10045	252.9	1.145	No	No
4	A1260-20	500.00	20129	506.7	1.341	No	No
5	A1260-20	1000.00	39227	987.5	-1.250	No	No



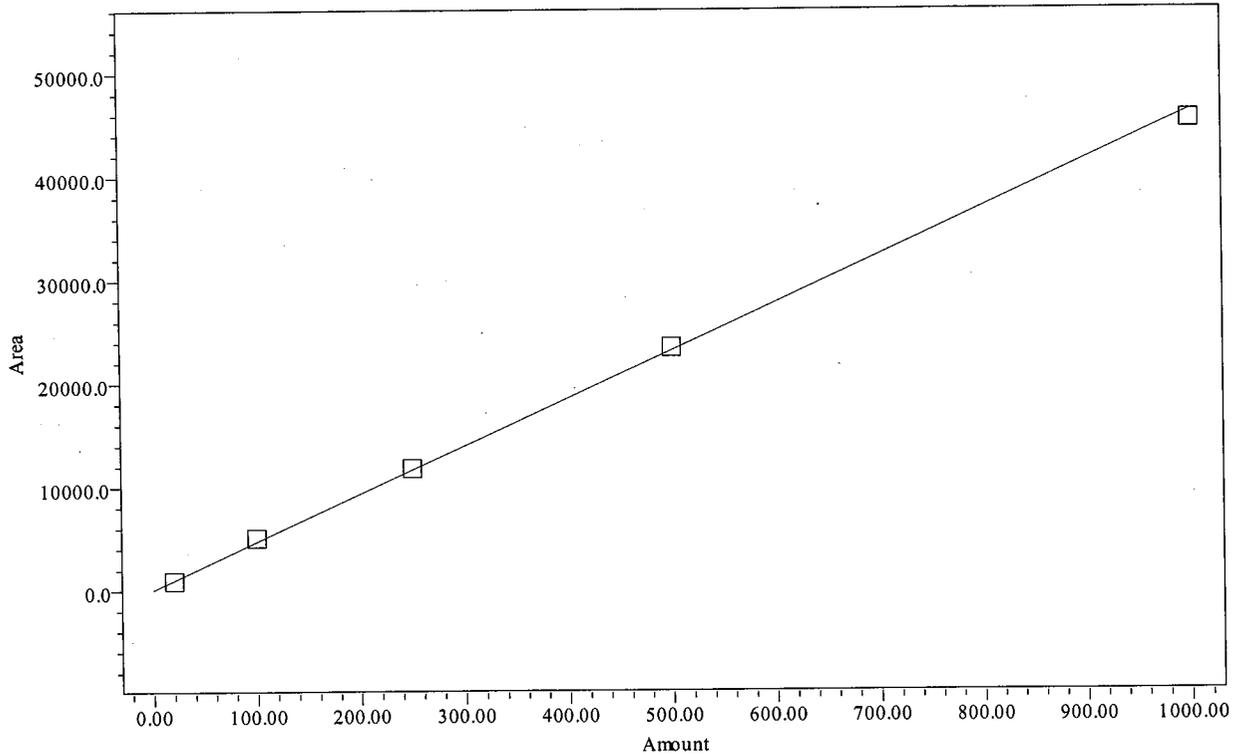
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Name:	A1260-23/24	Coefficient constant A:	77.456046
System Name:	Instrument_20_Ch01	Coefficient first Order B:	46.100156
Date Calibrated:	12/02/2008 11:53:00 EST	Coefficient first Order C:	0.000000
Processing Method:	GC20F_8082CC_120108	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999540
Method Report:	CCurve_Rpt	Coefficient of determination R <sup>2</sup> :	0.999080

Calibration Curve



Point Table  
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	20.00	909	18.0	-9.765	No	No
2	A1260-23/24	100.00	5079	108.5	8.501	No	No
3	A1260-23/24	250.00	11793	254.1	1.653	No	No
4	A1260-23/24	500.00	23440	506.8	1.357	No	No
5	A1260-23/24	1000.00	45372	982.5	-1.747	No	No



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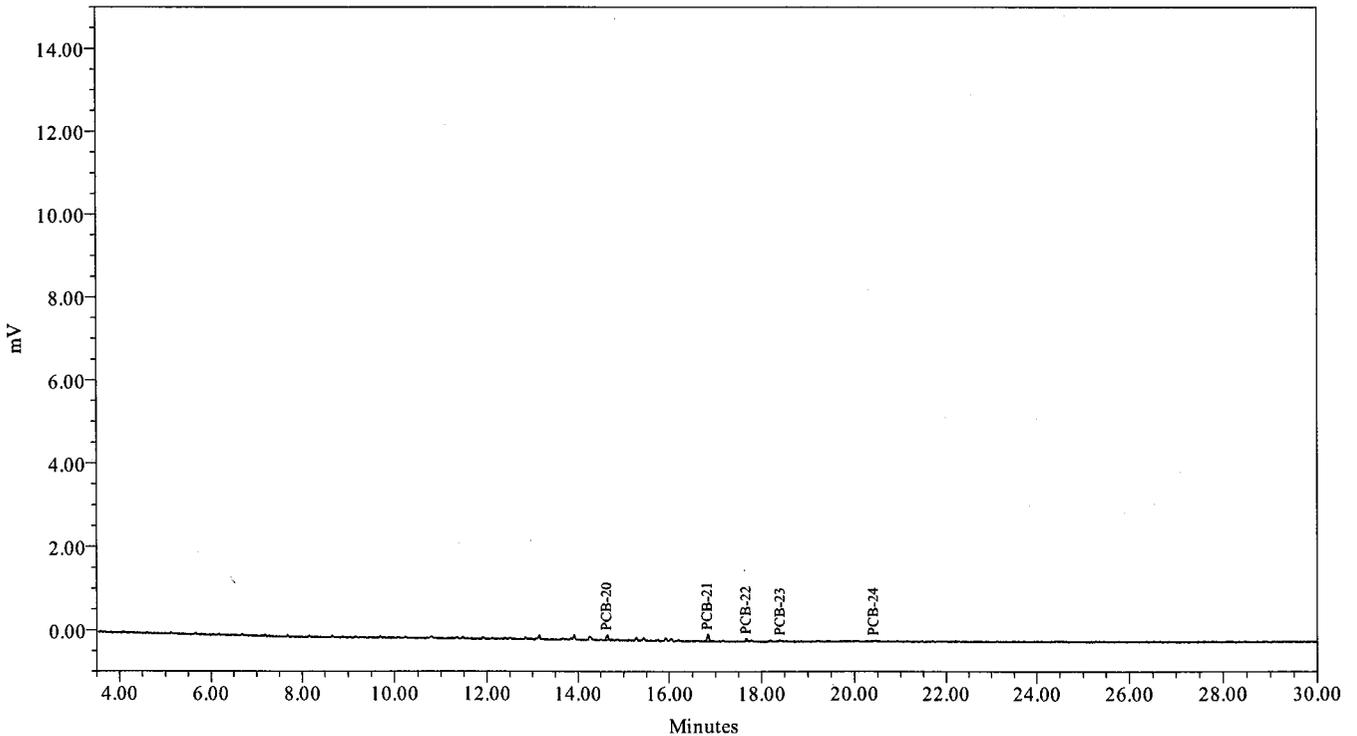
Sample Name: 120160A Sample Amount: 1  
Sample ID: A1260 20 PPB Dilution: 1  
Date Acquired: 12/02/2008 05:06:29 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:50:23 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:42:41 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-33

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-20	14.647	bb	339
2 PCB-21	16.839	bb	438
3 PCB-22	17.682	bb	132
4 PCB-23	18.418	bb	97
5 PCB-24	20.431	bb	86

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	339	
2 A1254-17/18	339	
3 A1260	1093	20.000
4 A1260-20	754	20.000
5 A1260-23/24	909	20.000
6 A1262	1093	
7 A1268	184	





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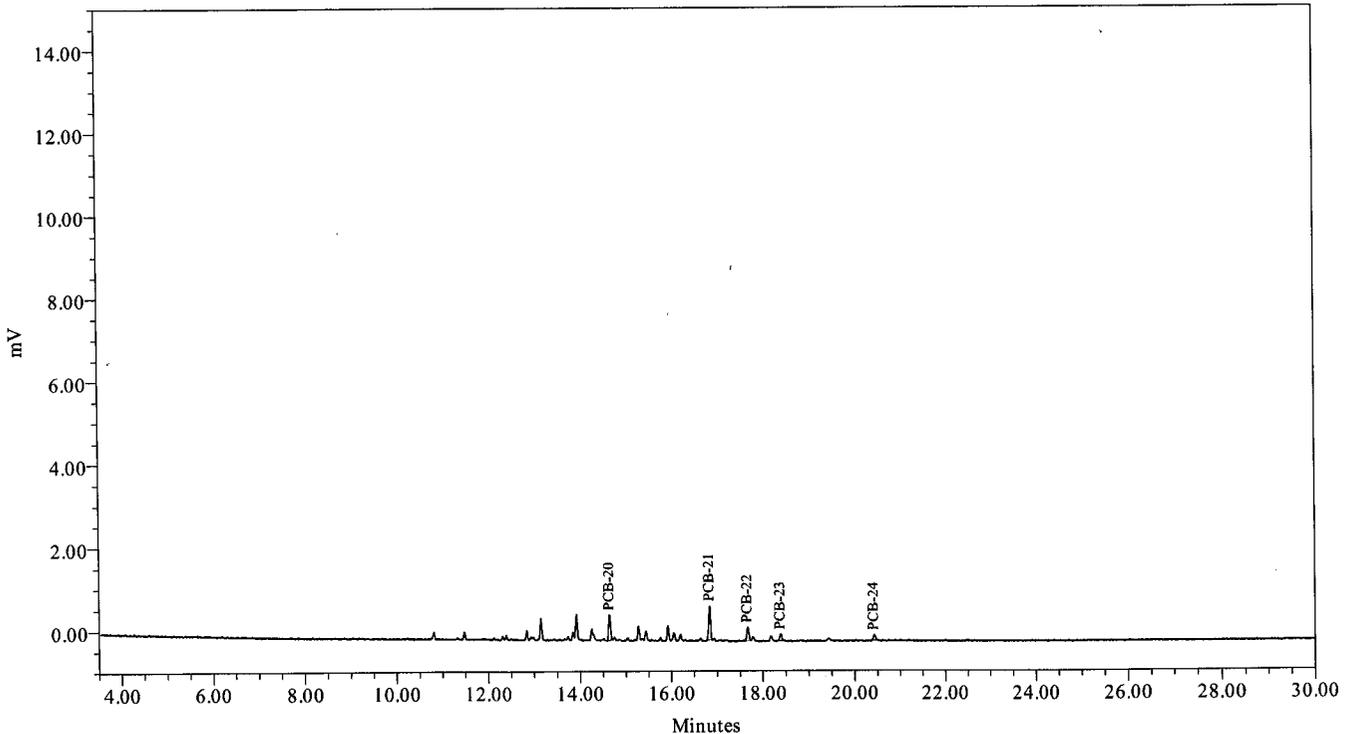
Sample Name: 120160B Sample Amount: 1  
Sample ID: A1260 100 PPB Dilution: 1  
Date Acquired: 12/02/2008 05:39:05 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:50:52 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:42:49 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-34

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-20	14.646	bb	1782
2 PCB-21	16.841	bb	2231
3 PCB-22	17.672	bb	1066
4 PCB-23	18.394	bb	453
5 PCB-24	20.430	bb	381

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	1782	
2 A1254-17/18	1782	
3 A1260	5913	100.000
4 A1260-20	4131	100.000
5 A1260-23/24	5079	100.000
6 A1262	5913	
7 A1268	834	





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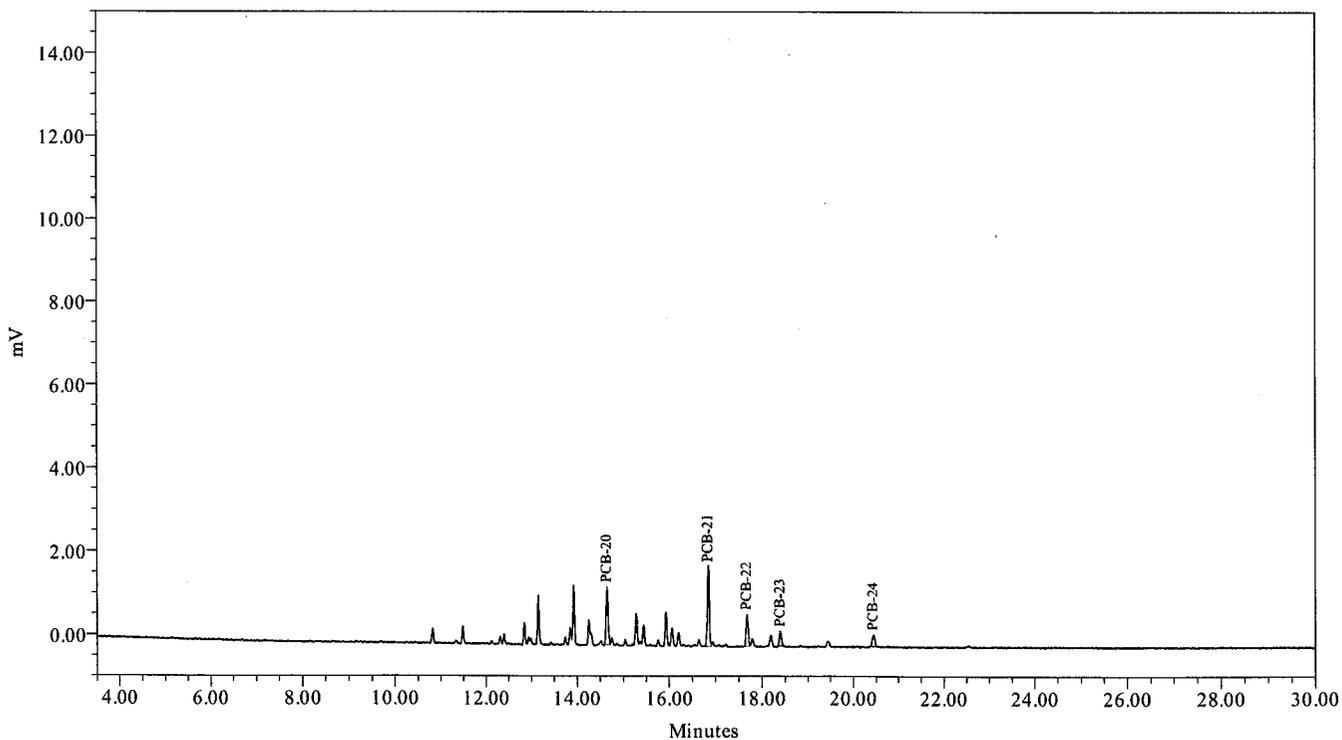
Sample Name:	120160C	Sample Amount:	1
Sample ID:	A1260 250 PPB	Dilution:	1
Date Acquired:	12/02/2008 06:11:41 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:52:03 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:43:06 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-35

### Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-20	14.650	bV	4078
2 PCB-21	16.845	bv	5313
3 PCB-22	17.681	bV	2402
4 PCB-23	18.400	bb	1197
5 PCB-24	20.441	bb	1133

### Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	4078	
2 A1254-17/18	4078	
3 A1260	14123	250.000
4 A1260-20	10045	250.000
5 A1260-23/24	11793	250.000
6 A1262	14123	
7 A1268	2330	





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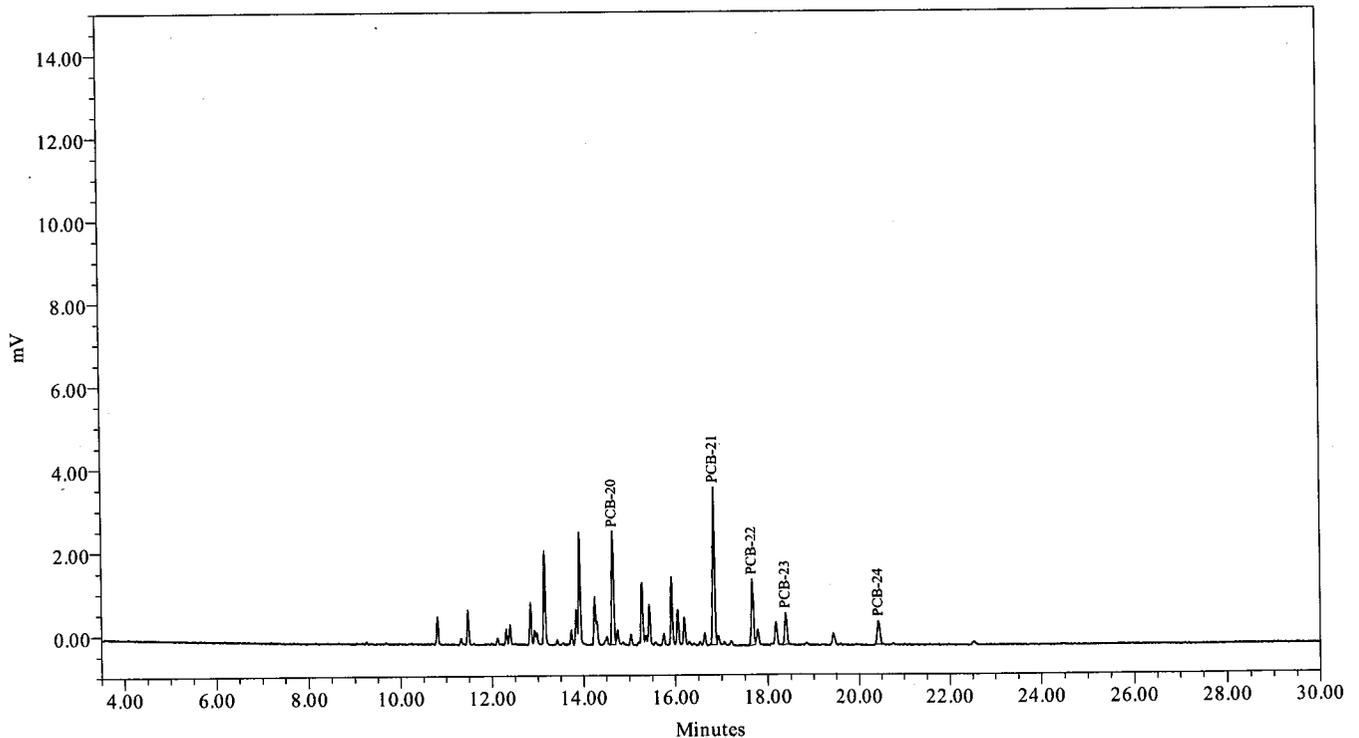
Sample Name: 120160D Sample Amount: 1  
Sample ID: A1260 500 PPB Dilution: 1  
Date Acquired: 12/02/2008 06:44:18 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 11:52:28 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:43:14 US/Eastern  
Report Name: CalStd\_rpt\_plt LIMS File ID: GC20F-308-36

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-20	14.644	bV	8076
2 PCB-21	16.840	bV	10479
3 PCB-22	17.674	bV	4885
4 PCB-23	18.397	bb	2471
5 PCB-24	20.438	bb	2292

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	8076	
2 A1254-17/18	8076	
3 A1260	28204	500.000
4 A1260-20	20129	500.000
5 A1260-23/24	23440	500.000
6 A1262	28204	
7 A1268	4764	





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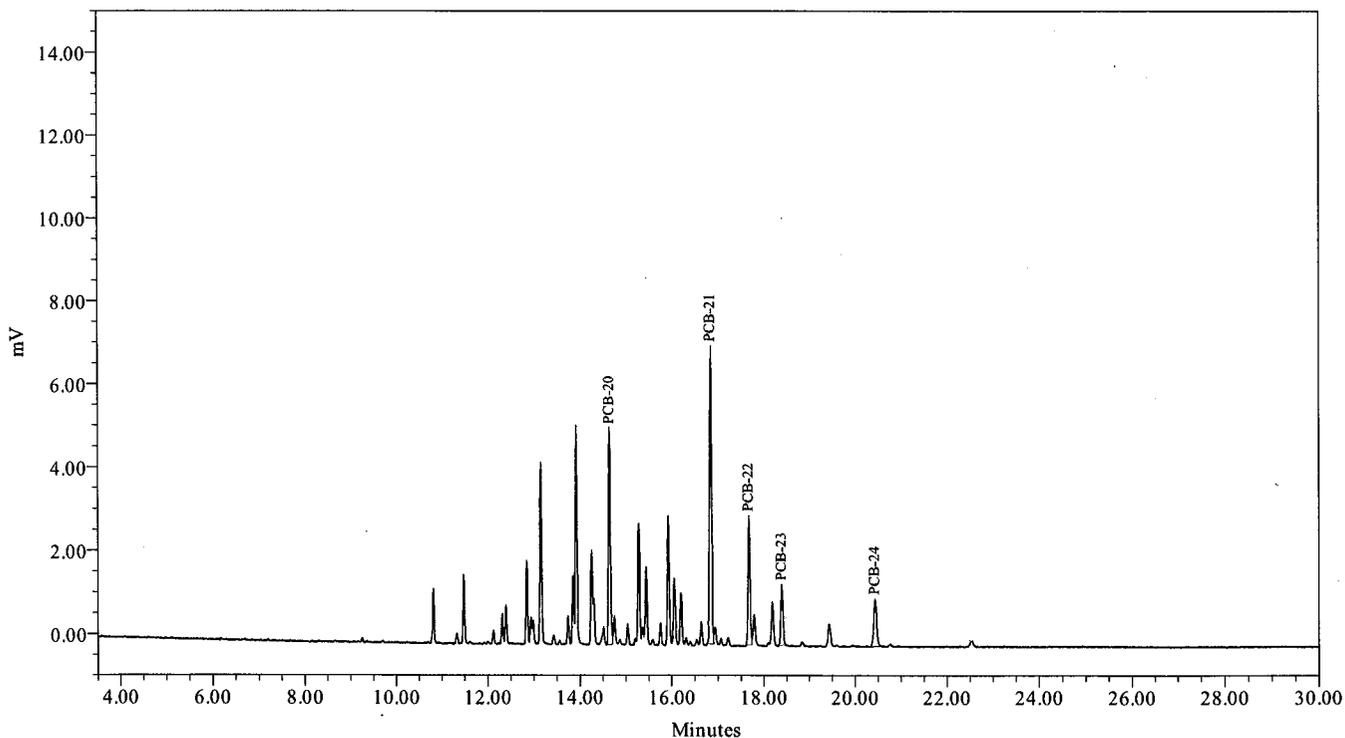
Sample Name:	120160E	Sample Amount:	1
Sample ID:	A1260 1000 PPB	Dilution:	1
Date Acquired:	12/02/2008 07:16:54 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 11:52:59 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:43:30 US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC20F-308-37

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1 PCB-20	14.648	bV	15873
2 PCB-21	16.843	bV	20105
3 PCB-22	17.678	bV	9394
4 PCB-23	18.398	bb	4945
5 PCB-24	20.440	bb	4783

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1 A1254	15873	
2 A1254-17/18	15873	
3 A1260	55100	1000.000
4 A1260-20	39227	1000.000
5 A1260-23/24	45372	1000.000
6 A1262	55100	
7 A1268	9727	



## Initial/Continuing Calibration Data

7E-1  
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SDG NO: 08120164

ELAP ID No: 11078

Instrument ID: GC20F

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M, ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC20F-308-39	CS161201A	ICV	488	500	-2.49	12/02/2008 08:22:06
Aroclor 1221	GC20F-308-40	CS211201A	ICV	509	500	1.78	12/02/2008 08:54:42
Aroclor 1232	GC20F-308-41	CS321201A	ICV	471	500	-5.71	12/02/2008 09:27:18
Aroclor 1242	GC20F-308-42	CS421201A	ICV	462	500	-7.59	12/02/2008 09:59:53
Aroclor 1248	GC20F-308-43	CS481201A	ICV	486	500	-2.78	12/02/2008 10:32:29
Aroclor 1254	GC20F-308-44	CS541201A	ICV	486	500	-2.82	12/02/2008 11:05:06
Aroclor 1260	GC20F-308-45	CS601201A	ICV	490	500	-1.96	12/02/2008 11:37:42
	GC20F-326-10	CS601226A	CCV	467	500	-6.68	12/26/2008 15:30:27
Aroclor 1016	GC20F-326-20	CS161226B	CCV	477	500	-4.68	12/26/2008 20:56:25
Aroclor 1221	GC20F-326-30	CS211226B	CCV	496	500	-0.713	12/27/2008 02:22:24
Aroclor 1232	GC20F-326-36	CS321226B	CCV	442	500	-11.5	12/27/2008 05:38:00
Aroclor 1260	GC20F-327-10	CS601229A	CCV	510	500	2.03	12/29/2008 10:48:53
Aroclor 1016	GC20F-327-16	CS161229B	CCV	520	500	4.09	12/29/2008 15:04:16

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2  
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc.  
 ELAP ID No: 11078  
 Instrument ID: GC20F  
 GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm

SGD NO: 08120164

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE	PEAK	RT	RT WINDOW	
						FROM	TO
Aroclor 1016	GC20F-308-39	CS161201A	ICV	1	7.47	7.39	7.55
			ICV	2	7.84	7.76	7.92
			ICV	3	8.45	8.37	8.53
			ICV	4	8.66	8.58	8.74
			ICV	5	8.80	8.72	8.88
Aroclor 1221	GC20F-308-40	CS211201A	ICV	1	4.50	4.42	4.58
			ICV	2	5.72	5.64	5.80
			ICV	3	6.27	6.19	6.35
			ICV	4	6.46	6.38	6.54
			ICV	5	6.58	6.50	6.66
Aroclor 1232	GC20F-308-41	CS321201A	ICV	1	6.58	6.50	6.66
			ICV	2	7.84	7.76	7.92
			ICV	3	8.45	8.37	8.53
			ICV	4	8.66	8.58	8.74
			ICV	5	8.80	8.72	8.88
Aroclor 1242	GC20F-308-42	CS421201A	ICV	1	7.47	7.39	7.55
			ICV	2	7.84	7.76	7.92
			ICV	3	8.46	8.38	8.54
			ICV	4	8.66	8.58	8.74
			ICV	5	8.80	8.72	8.88
Aroclor 1248	GC20F-308-43	CS481201A	ICV	1	9.36	9.28	9.44
			ICV	2	10.00	9.92	10.08
			ICV	3	10.62	10.54	10.70
			ICV	4	10.78	10.70	10.86
			ICV	5	11.17	11.09	11.25
Aroclor 1254	GC20F-308-44	CS541201A	ICV	1	11.47	11.39	11.55
			ICV	2	12.12	12.04	12.20
			ICV	3	12.39	12.31	12.47
			ICV	4	13.84	13.76	13.92
			ICV	5	14.64	14.56	14.72
Aroclor 1260	GC20F-308-45	CS601201A	ICV	1	14.64	14.56	14.72
			ICV	2	16.84	16.76	16.92
			ICV	3	17.67	17.59	17.75
			ICV	4	18.39	18.31	18.47
			ICV	5	20.43	20.35	20.51

ICV = Initial Calibration Verification  
 CCV = Continuing Calibration Verification

7E-2  
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD NO: 08120164

ELAP ID No: 11078

Instrument ID: GC20F

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M, ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE	PEAK	RT	RT WINDOW		
						FROM	TO	
Aroclor 1016	GC20F-326-20	CS161226B	CCV	1	7.47	7.39	7.55	
			CCV	2	7.84	7.76	7.92	
			CCV	3	8.46	8.37	8.53	
			CCV	4	8.66	8.58	8.74	
			CCV	5	8.80	8.72	8.88	
	GC20F-327-16	CS161229B	CCV	1	7.47	7.39	7.55	
			CCV	2	7.84	7.76	7.92	
			CCV	3	8.46	8.37	8.53	
			CCV	4	8.66	8.58	8.74	
			CCV	5	8.80	8.72	8.88	
Aroclor 1221	GC20F-326-30	CS211226B	CCV	1	4.50	4.42	4.58	
			CCV	2	5.71	5.64	5.80	
			CCV	3	6.27	6.19	6.35	
			CCV	4	6.46	6.38	6.54	
			CCV	5	6.58	6.50	6.66	
Aroclor 1232	GC20F-326-36	CS321226B	CCV	1	6.58	6.50	6.66	
			CCV	2	7.85	7.76	7.92	
			CCV	3	8.46	8.37	8.53	
			CCV	4	8.66	8.58	8.74	
			CCV	5	8.80	8.72	8.88	
Aroclor 1260	GC20F-326-10	CS601226A	CCV	1	14.64	14.56	14.72	
			CCV	2	16.83	16.76	16.92	
			CCV	3	17.67	17.59	17.75	
			CCV	4	18.39	18.31	18.47	
			CCV	5	20.43	20.35	20.51	
		GC20F-327-10	CS601229A	CCV	1	14.65	14.56	14.72
				CCV	2	16.85	16.76	16.92
				CCV	3	17.68	17.59	17.75
				CCV	4	18.40	18.31	18.47
				CCV	5	20.45	20.35	20.51

ICV = Initial Calibration Verification  
CCV = Continuing Calibration Verification



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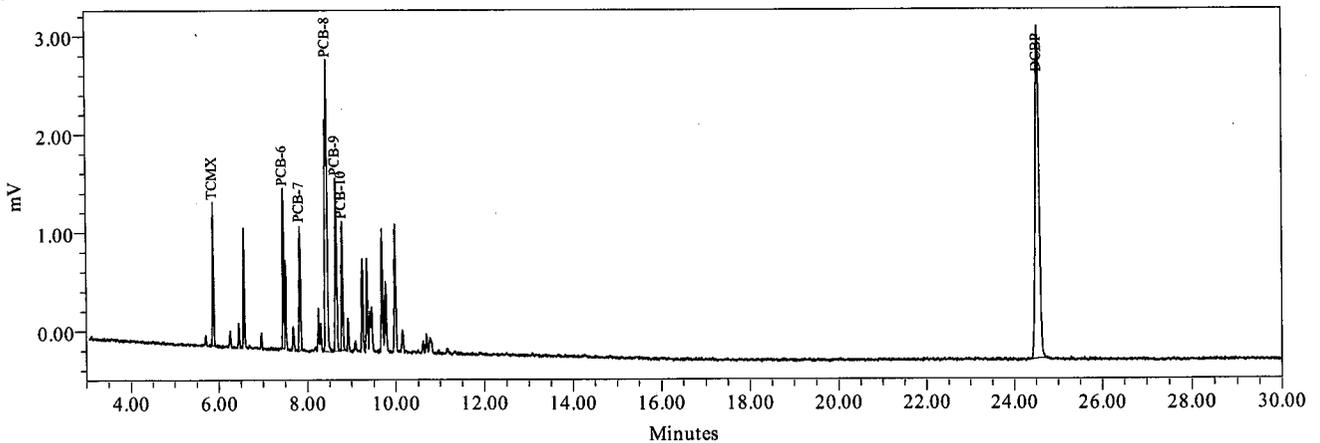
Sample Name:	CS161201A	Sample Amount:	1
Sample ID:	A1016 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 08:22:06 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 12:27:55 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:46:36 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-308-39

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.879	bb	2223	9.679	96.8	
2 PCB-6	7.467	bV	2740			
3 PCB-7	7.840	bb	2775			
4 PCB-8	8.454	bB	9418			
5 PCB-9	8.658	BB	3763			
6 PCB-10	8.795	Bb	2448			
7 DCBP	24.533	bb	20279	96.946		96.9

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1 A1016	21144	487.550	-2.49	X	
2 A1232	18404	858.290	71.66		
3 A1232-8/9	5223	533.119	6.62		
4 A1242	21144	577.134	15.43		





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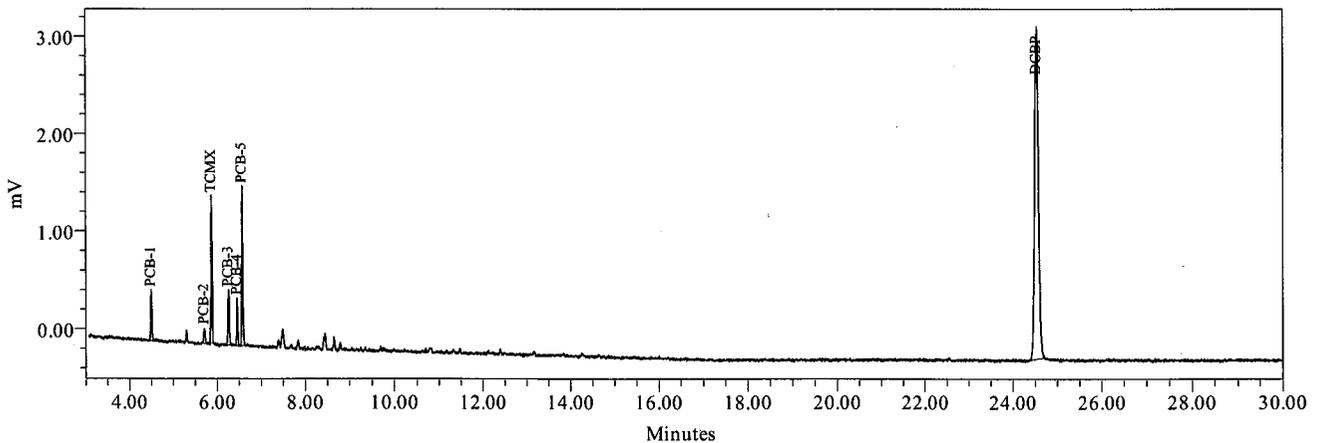
Sample Name:	CS211201A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 08:54:42 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 12:28:22 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:47:00 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-308-40

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 PCB-1	4.502	bb	746			
2 PCB-2	5.718	bb	341			
3 TCMX	5.881	bb	2274	9.910	99.1	
4 PCB-3	6.268	bb	1122			
5 PCB-4	6.461	bb	749			
6 PCB-5	6.581	bb	2861			
7 DCBP	24.539	bb	20745	99.231		99.2

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check %Diff	Report	Note
1 A1221	5819	508.901	1.78	X	
2 A1221-2	5478	508.315	1.66		
3 A1221-5	2958	507.400	1.48		
4 A1232	2861	132.823	-73.44		
5 A1232-8/9	2861	293.863	-41.23		





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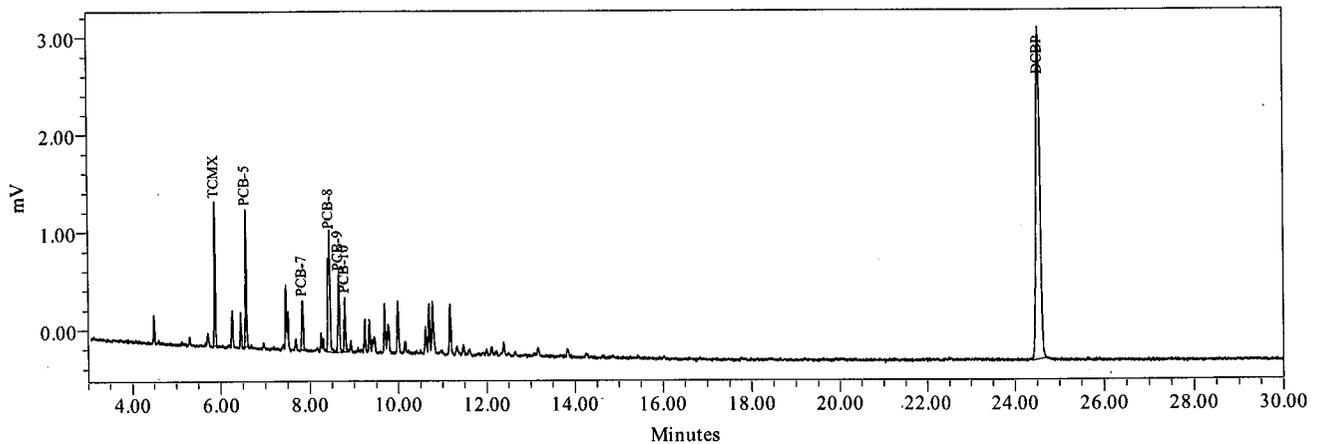
Sample Name:	CS321201A	Sample Amount:	1
Sample ID:	A1232 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 09:27:18 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 12:28:46 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:47:04 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-308-41

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.880	bb	2203	9.589	95.9	
2 PCB-5	6.580	bb	2324			
3 PCB-7	7.842	bb	1137			
4 PCB-8	8.455	bB	3898			
5 PCB-9	8.659	BB	1682			
6 PCB-10	8.797	Bb	1075			
7 DCBP	24.538	bb	20430	97.689		97.7

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1016	7792	177.704	-64.46		
2 A1221	2324	202.620	-59.48		
3 A1221-2	2324	215.309	-56.94		
4 A1232	10116	471.461	-5.71	X	
5 A1232-8/9	4536	463.514	-7.30		
6 A1242	7792	212.168	-57.57		





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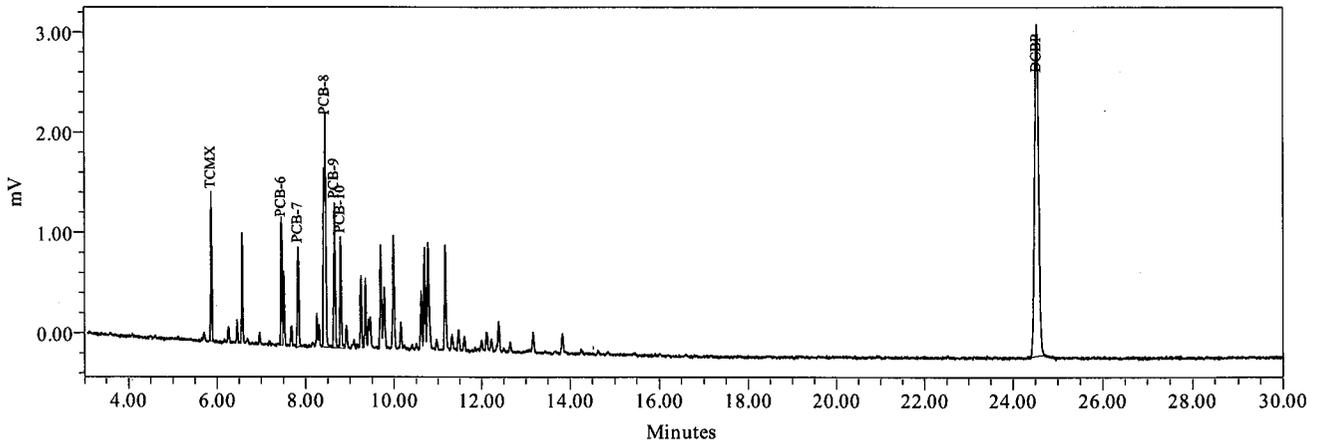
Sample Name:	CS421201A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 09:59:53 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/02/2008 12:29:16 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:47:21 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-308-42

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.880	bb	2224	9.685	96.8	
2 PCB-6	7.468	bV	2189			
3 PCB-7	7.840	bb	2244			
4 PCB-8	8.455	bV	7328			
5 PCB-9	8.660	VV	3037			
6 PCB-10	8.796	VV	2137			
7 DCBP	24.538	bb	20196	96.541		96.5

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1016	16935	389.867	-22.03		
2 A1232	14745	687.521	37.50		
3 A1232-8/9	4380	447.771	-10.45		
4 A1242	16935	462.073	-7.59	X	





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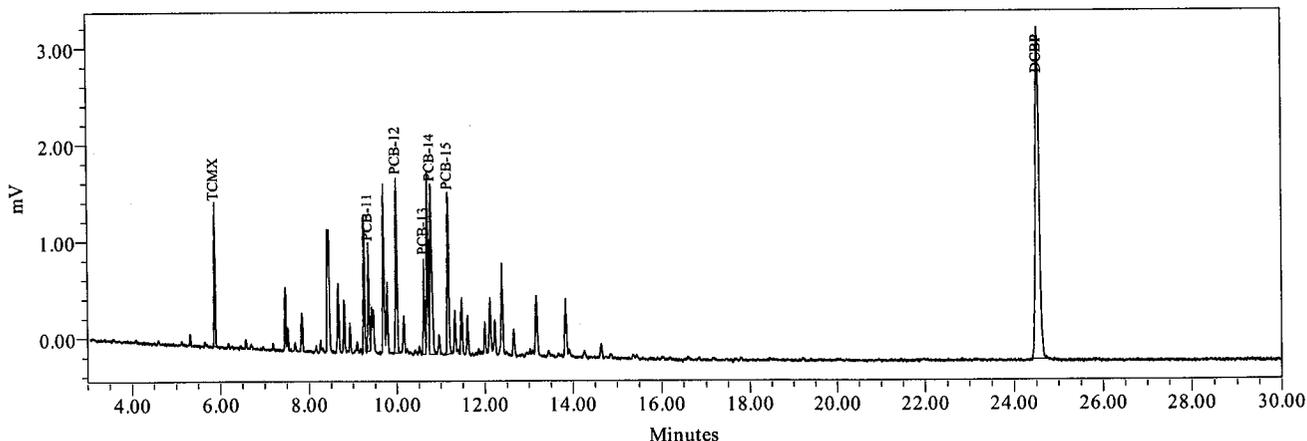
Sample Name: CS481201A Sample Amount: 1  
Sample ID: A1248 500 PPB Dilution: 1  
Date Acquired: 12/02/2008 10:32:29 EST Extract Volume: 1  
Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/02/2008 12:29:44 EST  
Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantigne (KariL)  
Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
Run Time: 30.0 Minutes Current Time: 09:47:30 US/Eastern  
Report Name: ChkStd\_Rpt\_Plt\_500\_ LIMS File ID: GC20F-308-43

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.883	bb	2221	9.670	96.7	
2 PCB-11	9.358	bV	2083			
3 PCB-12	9.997	bb	3956			
4 PCB-13	10.624	bV	2129			
5 PCB-14	10.782	Vb	5273			
6 PCB-15	11.175	bb	3853			
7 DCBP	24.537	bb	20270	96.905		96.9

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1248	17295	486.091	-2.78	X	
2 A1248-11/15	11358	491.232	-1.75		
3 A1248-14/15	8168	486.291	-2.74		





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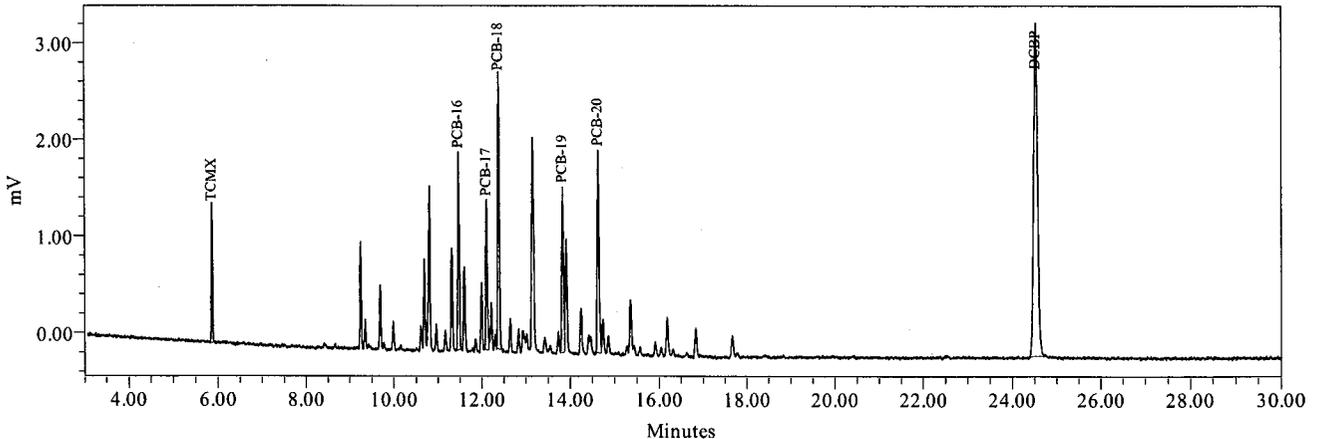
Sample Name:	CS541201A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	12/02/2008 11:05:06 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/02/2008 12:30:15 EST
Sample Set Name:	GC20F_8082CC_120108	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/11/2008
Run Time:	30.0 Minutes	Current Time:	09:47:50 USEastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-308-44

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.879	bb	2294	9.997	100.0	
2 PCB-16	11.474	bb	4563			
3 PCB-17	12.116	bV	3612			
4 PCB-18	12.389	Bb	6599			
5 PCB-19	13.838	bV	4569			
6 PCB-20	14.640	bV	5964			
7 DCBP	24.530	bb	20524	98.148		98.1

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1254	25308	485.912	-2.82	X	
2 A1254-17/18	15096	490.367	-1.93		
3 A1254-19/20	14775	482.642	-3.47		
4 A1254-20	19344	482.756	-3.45		
5 A1260	5964	106.182	-78.76		
6 A1260-23/24	5964	127.689	-74.46		
7 A1262	5964		-100.00		





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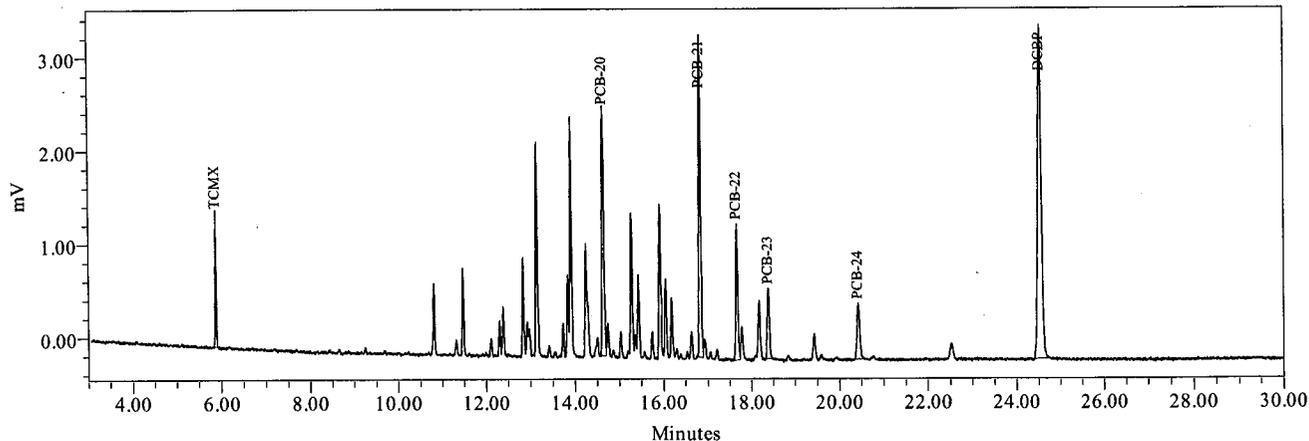
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 Sample ID: A1260 500 PPB Dilution: 1  
 Date Acquired: 12/02/2008 11:37:42 EST Extract Volume: 1  
 Project Name: PCB/GC20F\_Sep\_2008 Date Processed: 12/02/2008 12:30:46 EST  
 Sample Set Name: GC20F\_8082CC\_120108 User Name: Kari Lantiegne (KariL)  
 Processing Method: GC20F\_8082CC\_120108 Current Date: 12/11/2008  
 Run Time: 30.0 Minutes Current Time: 09:48:13 US/Eastern  
 Report Name: ChkStd\_Rpt\_Plt\_500 LIMS File ID: GC20F-308-45

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.878	bb	2221	9.668	96.7	
2 PCB-20	14.642	bV	8059			
3 PCB-21	16.837	bV	9779			
4 PCB-22	17.671	bV	4585			
5 PCB-23	18.392	bb	2508			
6 PCB-24	20.434	bb	2429			
7 DCBP	24.536	bb	20975	100.357		100.4

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1254	8059	153.549	-69.29		
2 A1254-17/18	8059	261.303	-47.74		
3 A1260	27360	490.186	-1.96	X	
4 A1260-20	19301	485.883	-2.82		
5 A1260-23/24	22423	484.723	-3.06		
6 A1262	27360		-100.00		
7 A1268	4937		-100.00		





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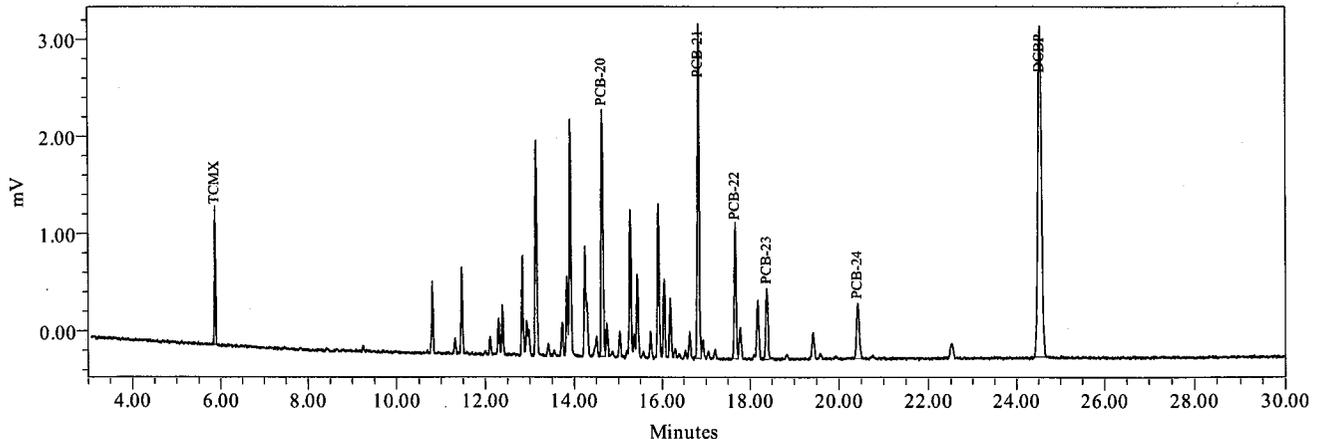
Sample Name:	CS601226A	Sample Amount:	1
Sample ID:	A1260 500 PPB	Dilution:	1
Date Acquired:	12/26/2008 15:30:27 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/26/2008 16:40:42 EST
Sample Set Name:	GC20F_CCv_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:46:05 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-326-10

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.879	bb	2220	9.667	96.7	
2 PCB-20	14.640	bV	7612			
3 PCB-21	16.834	bV	9267			
4 PCB-22	17.670	bV	4309			
5 PCB-23	18.391	bb	2442			
6 PCB-24	20.431	bb	2415			
7 DCBP	24.534	bb	19489	93.073		93.1

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1254	7612	144.940	-71.01		
2 A1254-17/18	7612	246.761	-50.65		
3 A1260	26045	466.579	-6.68	X	
4 A1260-20	18433	464.017	-7.20		
5 A1260-23/24	21188	457.918	-8.42		
6 A1262	26045		-100.00		
7 A1268	4858		-100.00		





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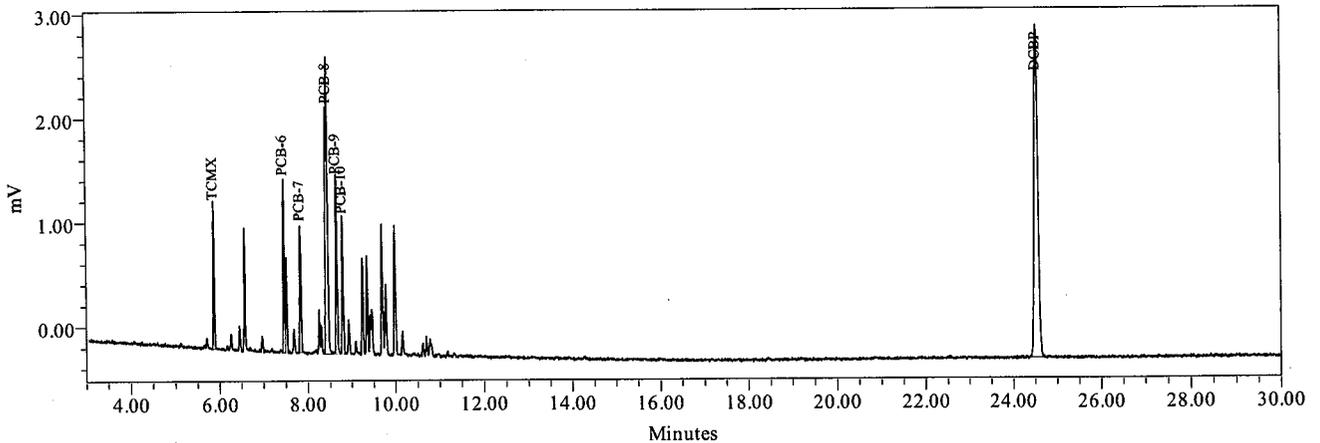
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Sample ID:	A1016 500 PPB	Dilution:	1
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Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantigne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:46:15 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-326-20

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.881	bb	2182	9.494	94.9	
2 PCB-6	7.470	bV	2773			
3 PCB-7	7.843	bb	2716			
4 PCB-8	8.457	bV	9105			
5 PCB-9	8.662	VV	3613			
6 PCB-10	8.798	Vb	2466			
7 DCBP	24.540	bb	19320	92.249		92.2

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1016	20673	476.618	-4.68	X	
2 A1232	17900	834.738	66.95		
3 A1232-8/9	5181	528.898	5.78		
4 A1242	20673	564.256	12.85		





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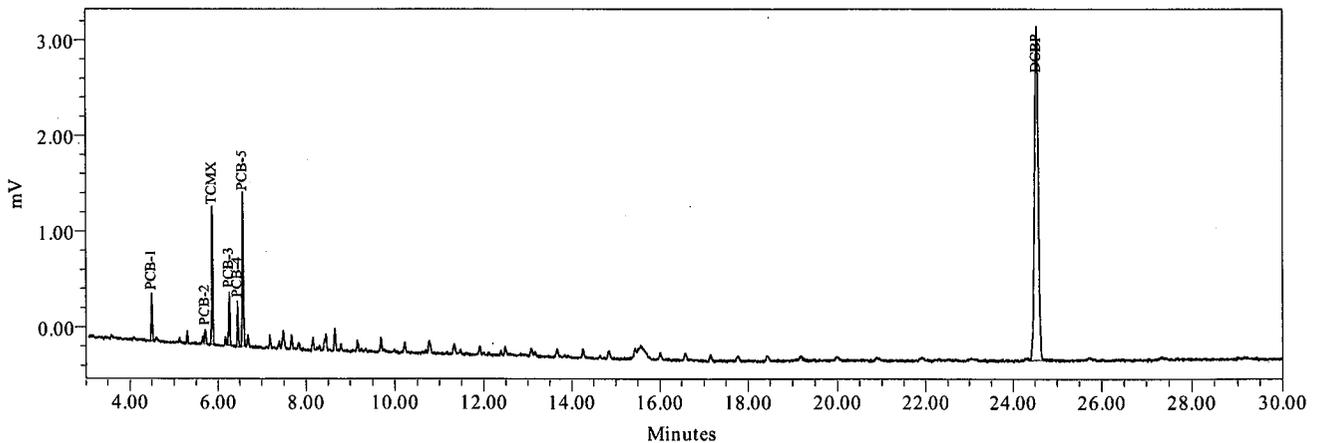
Sample Name:	CS211226B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
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Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/27/2008 14:38:18 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:46:23 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-326-30

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 PCB-1	4.502	bb	723			
2 PCB-2	5.715	Vb	348			
3 TCMX	5.881	bb	2209	9.615	96.2	
4 PCB-3	6.269	bb	1058			
5 PCB-4	6.461	bb	759			
6 PCB-5	6.582	bb	2789			
7 DCBP	24.537	bb	20446	97.768		97.8

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1221	5677	496.434	-0.71	X	
2 A1221-2	5329	494.449	-1.11		
3 A1221-5	2888	495.394	-0.92		
4 A1232	2789	129.452	-74.11		
5 A1232-8/9	2789	286.547	-42.69		





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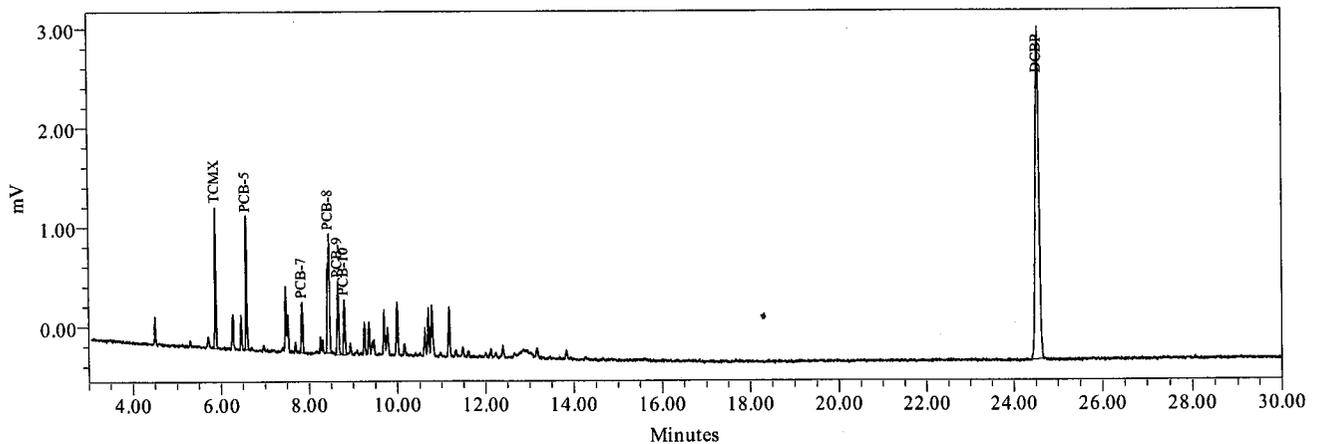
Sample Name:	CS321226B	Sample Amount:	1
Sample ID:	A1232 500 PPB	Dilution:	1
Date Acquired:	12/27/2008 05:38:00 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/27/2008 14:39:06 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:46:31 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-326-36

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.883	bb	2146	9.334	93.3	
2 PCB-5	6.584	bb	2226			
3 PCB-7	7.845	bb	1090			
4 PCB-8	8.459	bb	3587			
5 PCB-9	8.664	BV	1541			
6 PCB-10	8.802	VV	1050			
7 DCBP	24.548	bb	19185	91.587		91.6

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1016	7269	165.550	-66.89		
2 A1221	2226	194.040	-61.19		
3 A1221-2	2226	206.213	-58.76		
4 A1232	9495	442.447	-11.51	X	
5 A1232-8/9	4366	446.327	-10.73		
6 A1242	7269	197.852	-60.43		





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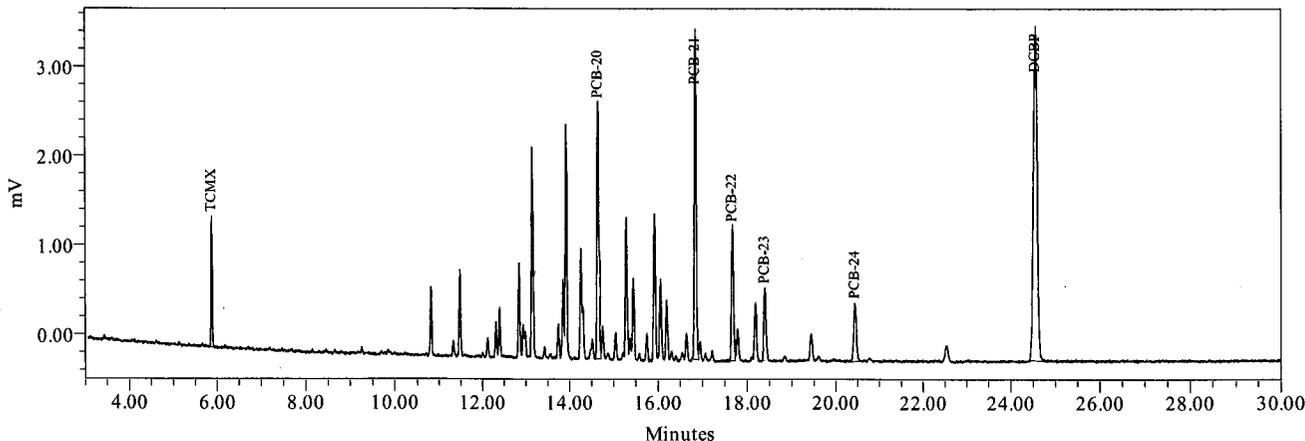
Sample Name:	CS601229A	Sample Amount:	1
Sample ID:	A1260 500 PPB	Dilution:	1
Date Acquired:	12/29/2008 10:48:53 EST	Extract Volume:	1
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 13:42:40 EST
Sample Set Name:	GC20F_CCv_122908	User Name:	Kari Lantienne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/30/2008
Run Time:	30.0 Minutes	Current Time:	06:22:38 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC20F-327-10

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.884	bb	2285	9.959	99.6	
2 PCB-20	14.652	bV	8263			
3 PCB-21	16.847	bV	10108			
4 PCB-22	17.681	bV	4685			
5 PCB-23	18.404	bb	2687			
6 PCB-24	20.447	bb	2730			
7 DCBP	24.553	bb	22053	105.639		105.6

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1254	8263	157.481	-68.50		
2 A1254-17/18	8263	267.946	-46.41		
3 A1260	28473	510.155	2.03	X	
4 A1260-20	20210	508.757	1.75		
5 A1260-23/24	23056	498.450	-0.31		
6 A1262	28473		-100.00		
7 A1268	5417		-100.00		





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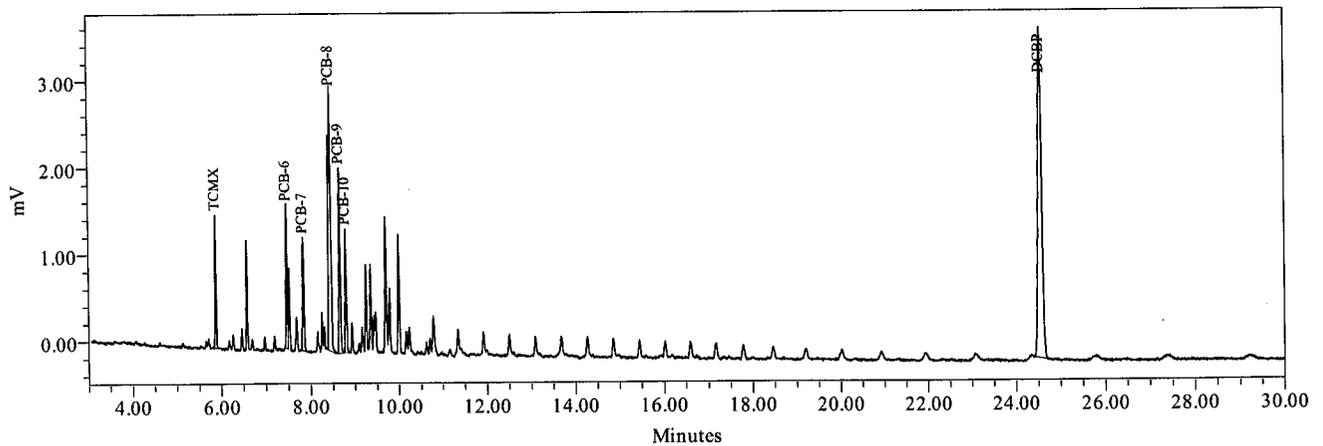
Sample Name:	CS161229B	Sample Amount:	1
Sample ID:	A1016 500 PPB	Dilution:	1
Date Acquired:	12/29/2008 15:04:16 EST	Extract Volume:	1
Project Name:	PCB/GC20F_Sep_2008	Date Processed:	12/30/2008 05:20:29 EST
Sample Set Name:	GC20F_8082S_122908	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/30/2008
Run Time:	30.0 Minutes	Current Time:	06:22:47 US/Eastern
Report Name:	ChkStd_Rpt_Plt_500	LIMS File ID:	GC20F-327-16

Peak Results

Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1 TCMX	5.883	bb	2325	10.139	101.4	
2 PCB-6	7.472	bV	2817			
3 PCB-7	7.844	bb	2870			
4 PCB-8	8.459	bB	9735			
5 PCB-9	8.664	BV	4475			
6 PCB-10	8.801	Vb	2664			
7 DCBP	24.550	bb	22424	107.460		107.5

Group Results

Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff	Report	Note
1 A1016	22560	520.428	4.09	X	
2 A1232	19743	920.801	84.16		
3 A1232-8/9	5534	564.593	12.92		
4 A1242	22560	615.860	23.17		



# QC Sample Raw Data

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08120164-10MS</u>
Matrix: <u>Soil</u>	Client ID: <u>P2SL-18A-01 MS</u>
Sample wt(Dry)/vol: <u>6.0618 g</u>	Lab Sample ID: <u>AL20805M</u>
Percent Moisture: <u>40.0</u>	Date Received: <u>12/18/2008</u>
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>7</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-23

**Column 2 Information:**

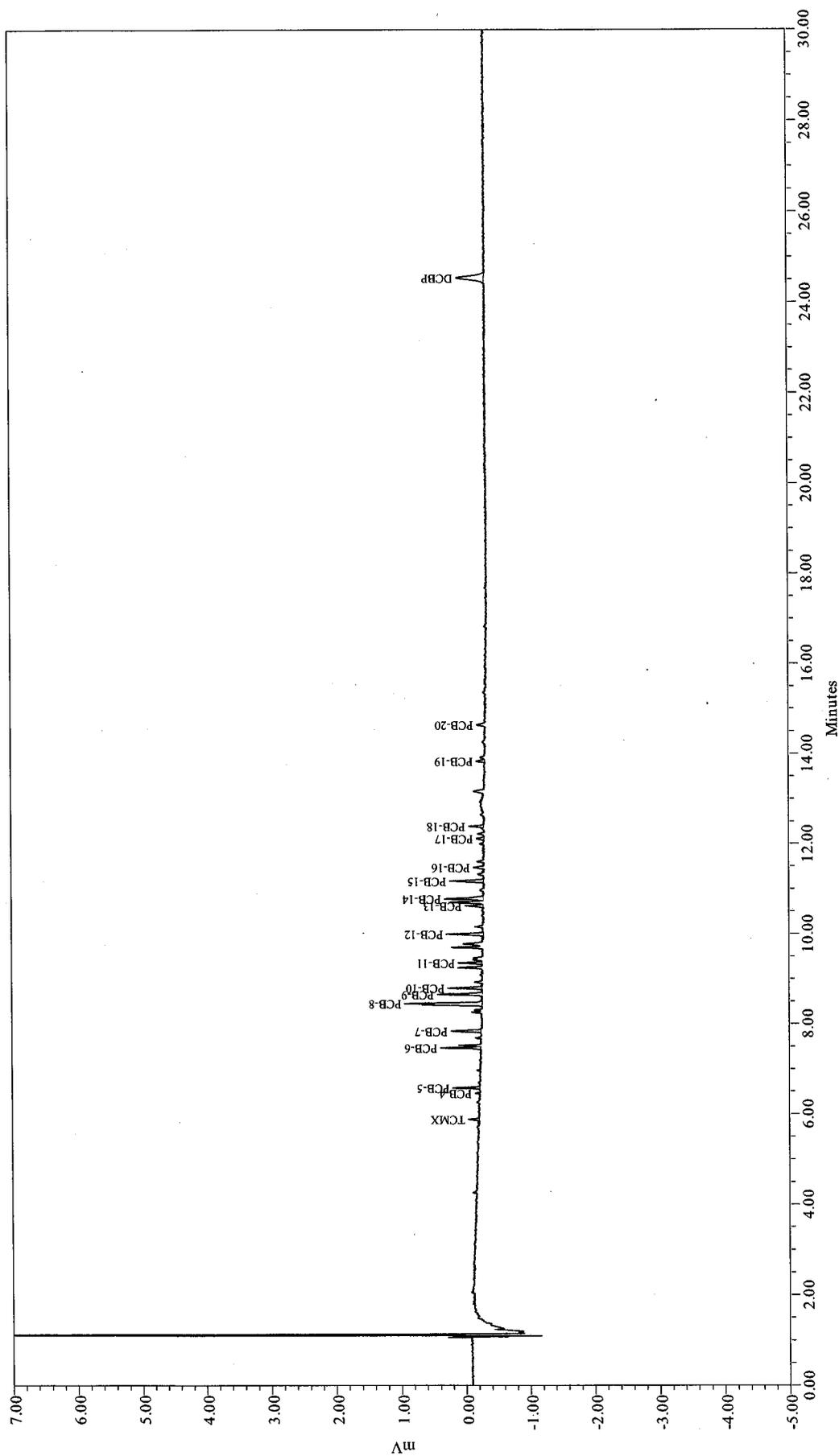
GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.577	U
1	11104-28-2	Aroclor 1221	0.577	U
1	11141-16-5	Aroclor 1232	0.577	U
1	53469-21-9	Aroclor 1242	6.51	
1	12672-29-6	Aroclor 1248	0.577	U
1	11097-69-1	Aroclor 1254	0.577	U
1	11096-82-5	Aroclor 1260	0.577	U

Laboratory Qualifiers:  
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20805M  
Sample ID: P2SL-18A-01 MS  
Date Acquired: 12/26/2008 22:34:14 EST

Sample Amount (g): 6.0620  
Dilution: 175  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-23



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Sample Name: AL20805M Sample Amount (g) : 6.0620  
 Sample ID: P2SL-18A-01 MS Dilution: 175  
 Date Acquired: 12/26/2008 22:34:14 EST Extract Volume: 25  
 Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/29/2008 07:52:38 EST  
 Sample Set Name: GC20F\_8082s\_122608 User Name: Kari Lantigne (KariL)  
 Processing Method: GC20F\_8082CC\_120108 Current Date: 12/29/2008  
 Run Time: 30.0 Minutes Current Time: 10:41:30 US/Eastern  
 Report Name: Solid\_ugg\_LIMS\_PQL LIMS File ID: GC20F-326-23

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	293	0.990	69.3	
2	PCB-4	6.46	vb	132			
3	PCB-5	6.58	bb	697			
4	PCB-6	7.47	bV	1036			
5	PCB-7	7.84	bb	1028			
6	PCB-8	8.46	bB	3766			
7	PCB-9	8.66	BB	1479			
8	PCB-10	8.80	Bb	971			
9	PCB-11	9.36	bB	671			
10	PCB-12	9.99	bb	1286			
11	PCB-13	10.62	bV	576			
12	PCB-14	10.78	Vb	1549			
13	PCB-15	11.17	bb	1203			
14	PCB-16	11.47	bb	335			
15	PCB-17	12.11	bb	277			
16	PCB-18	12.39	vb	513			
17	PCB-19	13.84	bv	350			
18	PCB-20	14.64	bb	392			
19	DCBP	24.53	bb	2482	9.732		68.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	8279	189.003	5.45620	0.577	NR	
2	A1221	829	71.623	2.06765	0.577	NR	
3	A1221-2	829	76.439	2.20667	0.577	NR	
4	A1221-5	132	22.920	0.66167	0.577	NR	
5	A1232	7940	369.905	10.67854	0.577	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
6	A1232-8/9	2695	277.081	7.99886	0.577	NR	
7	A1242	8279	225.477	6.50915	0.577	X	
8	A1248	5286	148.658	4.29150	0.577	NR	
9	A1248-11/15	3412	147.597	4.26089	0.577	NR	
10	A1248-14/15	2534	148.674	4.29196	0.577	NR	
11	A1254	1867	34.239	0.98841	0.577	NR	
12	A1254-17/18	1077	34.057	0.98316	0.577	NR	
13	A1254-19/20	1125	34.263	0.98913	0.577	NR	
14	A1254-20	1475	34.277	0.98952	0.577	NR	
15	A1260	392	6.187	0.17860	0.577	NR	
16	A1260-23/24	392	6.829	0.19713	0.577	NR	
17	A1262	392				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08120164-10MSD</u>
Matrix:	<u>Soil</u>	Client ID:	<u>P2SL-18A-01 MSD</u>
Sample wt(Dry)/vol:	<u>6.5430 g</u>	Lab Sample ID:	<u>AL20805K</u>
Percent Moisture:	<u>40.0</u>	Date Received:	<u>12/18/2008</u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>7</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-24

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

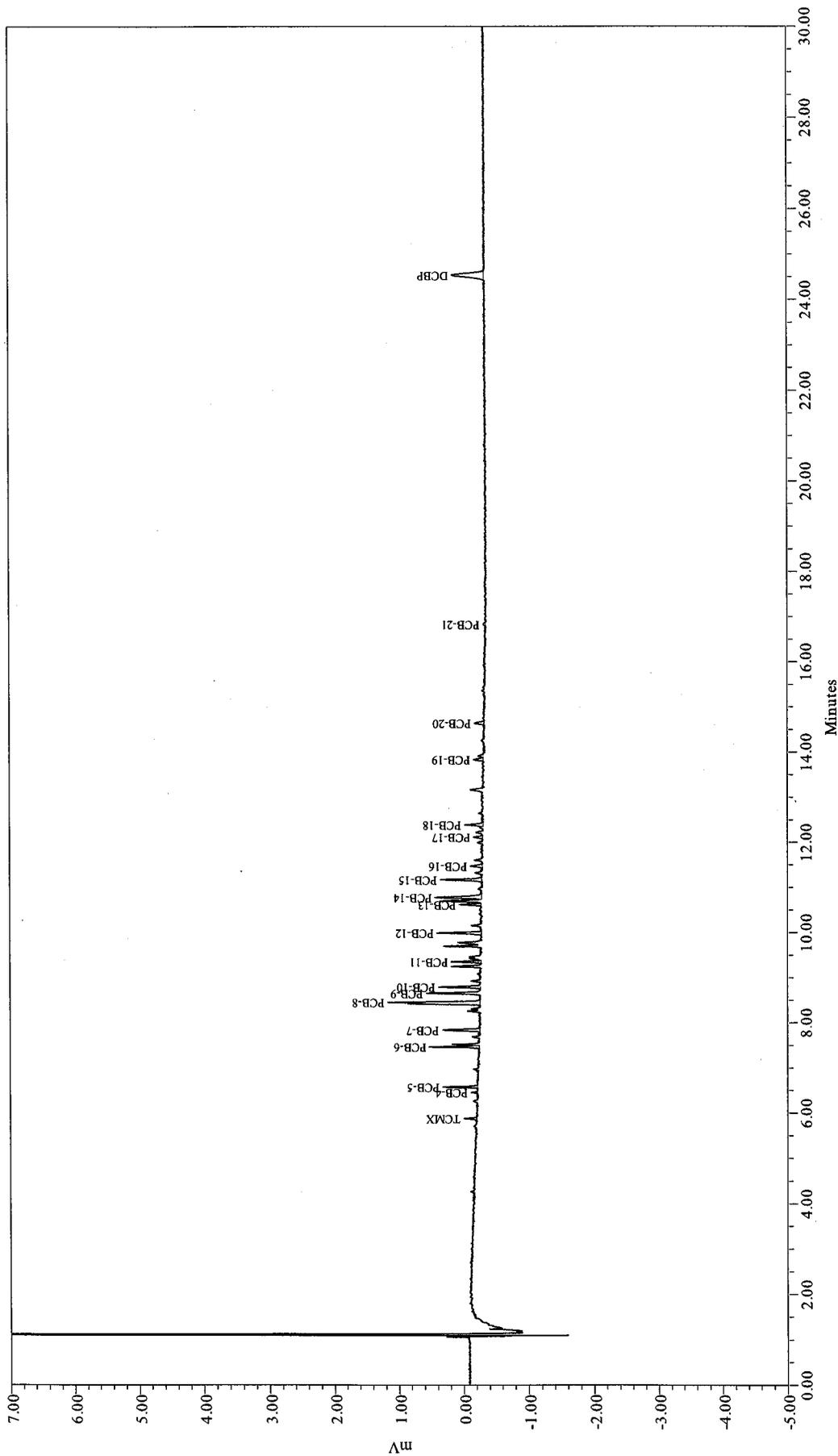
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.535	U
1	11104-28-2	Aroclor 1221	0.535	U
1	11141-16-5	Aroclor 1232	0.535	U
1	53469-21-9	Aroclor 1242	7.42	
1	12672-29-6	Aroclor 1248	0.535	U
1	11097-69-1	Aroclor 1254	0.535	U
1	11096-82-5	Aroclor 1260	0.535	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20805K  
Sample ID: P2SL-18A-01 MSD  
Date Acquired: 12/26/2008 23:06:50 EST

Sample Amount (g): 6.5430  
Dilution: 175  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-24



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Sample Name:	AL20805K	Sample Amount (g) :	6.5430
Sample ID:	P2SL-18A-01 MSD	Dilution:	175
Date Acquired:	12/26/2008 23:06:50 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:55:34 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:41:31 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-24

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	313	1.083	75.8	
2	PCB-4	6.46	bb	140			
3	PCB-5	6.58	bb	860			
4	PCB-6	7.47	bV	1307			
5	PCB-7	7.84	bb	1340			
6	PCB-8	8.46	bb	4482			
7	PCB-9	8.66	BV	1762			
8	PCB-10	8.80	Vb	1292			
9	PCB-11	9.35	bV	868			
10	PCB-12	9.99	bb	1480			
11	PCB-13	10.62	bV	673			
12	PCB-14	10.78	Vb	1854			
13	PCB-15	11.17	bb	1459			
14	PCB-16	11.47	bb	413			
15	PCB-17	12.12	bv	341			
16	PCB-18	12.39	vb	735			
17	PCB-19	13.84	bb	377			
18	PCB-20	14.64	bb	389			
19	PCB-21	16.83	bb	110			
20	DCBP	24.54	bb	2773	11.160		78.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	10184	233.204	6.23730	0.535	NR	
2	A1221	1001	86.689	2.31860	0.535	NR	
3	A1221-2	1001	92.410	2.47162	0.535	NR	
4	A1221-5	140	24.394	0.65244	0.535	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
5	A1232	9737	453.750	12.13607	0.535	NR	
6	A1232-8/9	3493	357.876	9.57180	0.535	NR	
7	A1242	10184	277.541	7.42315	0.535	X	
8	A1248	6334	178.098	4.76345	0.535	NR	
9	A1248-11/15	4007	173.350	4.63645	0.535	NR	
10	A1248-14/15	3021	177.856	4.75697	0.535	NR	
11	A1254	2254	41.699	1.11529	0.535	NR	
12	A1254-17/18	1179	37.365	0.99937	0.535	NR	
13	A1254-19/20	1488	46.210	1.23593	0.535	NR	
14	A1254-20	1865	44.080	1.17896	0.535	NR	
15	A1260	499	8.101	0.21668	0.535	NR	
16	A1260-20	110	2.748	0.07349	0.535	NR	
17	A1260-23/24	499	9.143	0.24453	0.535	NR	
18	A1262	499				NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRP ID:	<u>PBLK-53</u>
Matrix:	<u>SODIUM SULFATE</u>	Client ID:	<u>METHOD BLANK</u>
Sample wt(Dry)/vol:	<u>9.113 g</u>	Lab Sample ID:	<u>AL20797B</u>
Percent Moisture:	<u>0.0</u>	Date Received:	<u></u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/26/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/29/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
Injection Volume: 1.0 uL  
Lab File ID: GC20F-327-12

**Column 2 Information:**

GC Column: NA  
Injection Volume: NA  
Lab File ID: NA

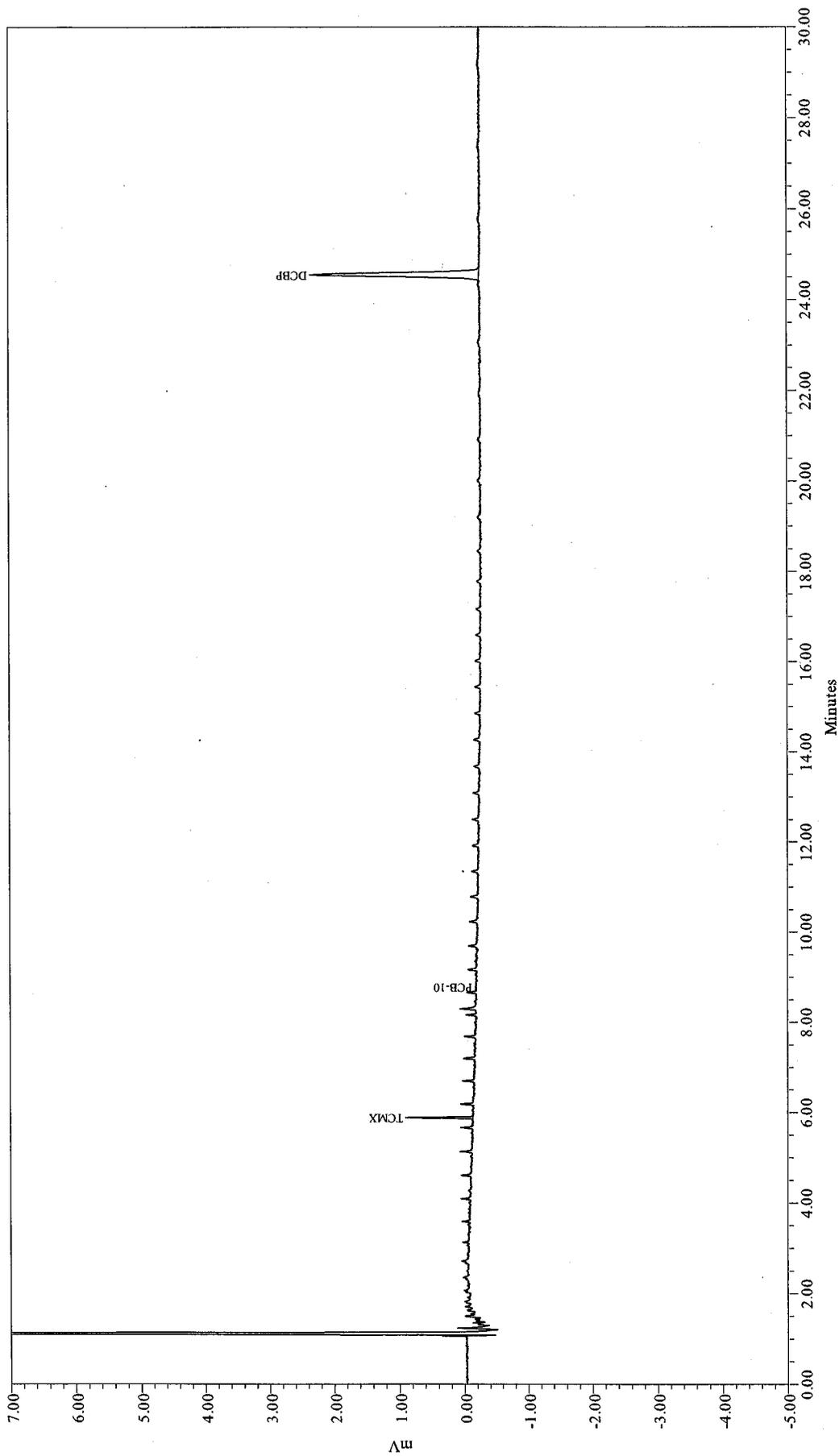
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0549	U
1	11104-28-2	Aroclor 1221	0.0549	U
1	11141-16-5	Aroclor 1232	0.0549	U
1	53469-21-9	Aroclor 1242	0.0549	U
1	12672-29-6	Aroclor 1248	0.0549	U
1	11097-69-1	Aroclor 1254	0.0549	U
1	11096-82-5	Aroclor 1260	0.0549	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20797B  
Sample ID: METHOD BLANK  
Date Acquired: 12/29/2008 12:53:50 EST

Sample Amount (g): 9.1130  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-327-12



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Sample Name: AL20797B Sample Amount (g) : 9.1130  
 Sample ID: METHOD BLANK Dilution: 25  
 Date Acquired: 12/29/2008 12:53:50 EST Extract Volume: 25  
 Project Name: PCB\GC20F\_Sep\_2008 Date Processed: 12/30/2008 06:10:47 EST  
 Sample Set Name: GC20F\_8082S\_122908 User Name: Kari Lantiegne (KariL)  
 Processing Method: GC20F\_8082CC\_120108 Current Date: 12/30/2008  
 Run Time: 30.0 Minutes Current Time: 06:20:37 US/Eastern  
 Report Name: Solid\_ugg\_LIMS\_PQL LIMS File ID: GC20F-327-12

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.89	bb	1580	6.783	67.8	
2	PCB-10	8.79	bb	29			
3	DCBP	24.55	bb	15163	71.878		71.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	29			0.0549	NR	
2	A1232	29	0.626	0.00172	0.0549	NR	
3	A1232-8/9	29	6.982	0.01915	0.0549	NR	
4	A1242	29			0.0549	NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>LCS-53</u>
Matrix: <u>SODIUM SULFATE</u>	Client ID: <u>LAB CONTROL SPIKE</u>
Sample wt(Dry)/vol: <u>9.497 g</u>	Lab Sample ID: <u>AL20797L</u>
Percent Moisture: <u>0.0</u>	Date Received: _____
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/26/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/29/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-327-13

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

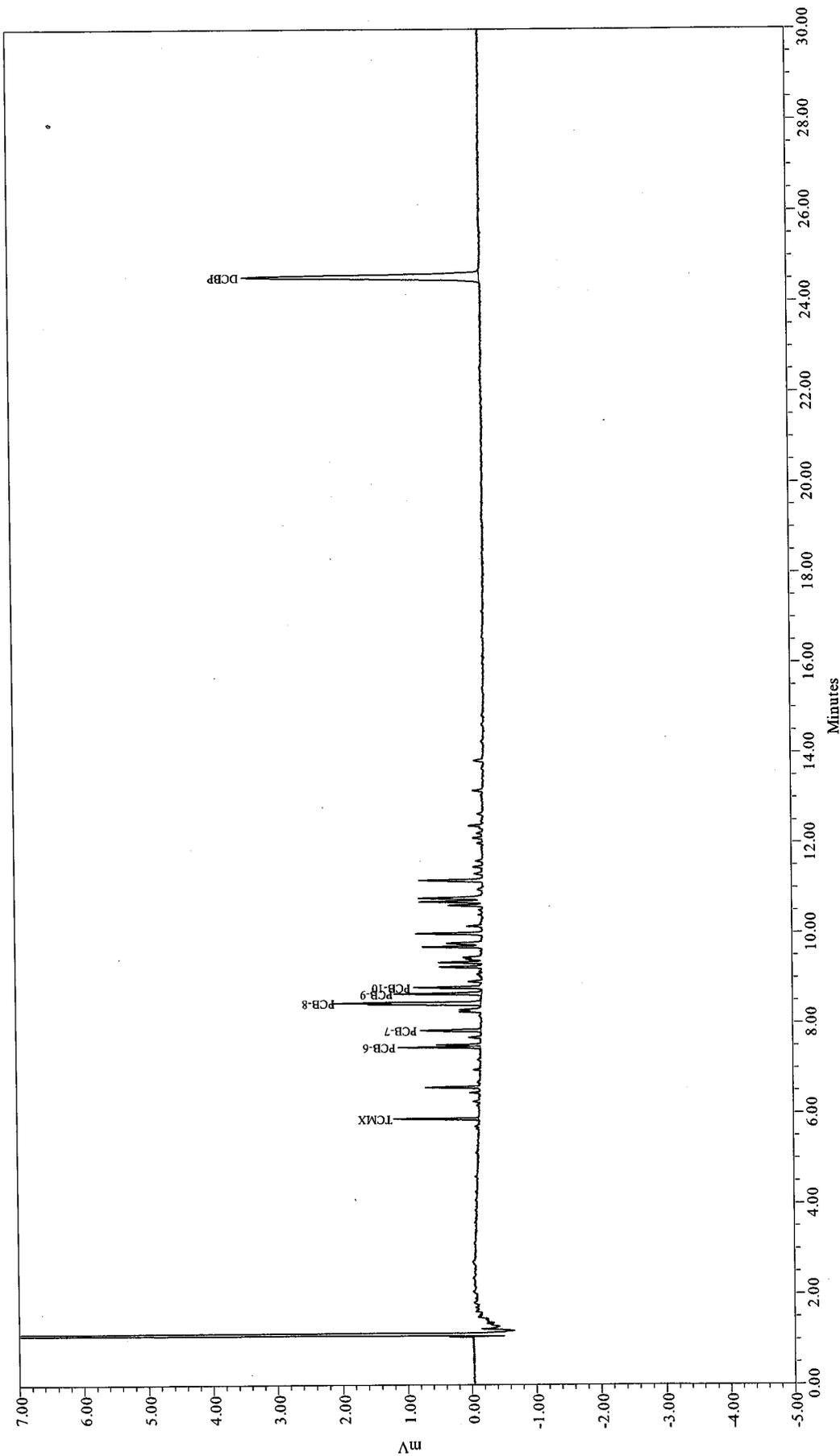
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0526	U
1	11104-28-2	Aroclor 1221	0.0526	U
1	11141-16-5	Aroclor 1232	0.0526	U
1	53469-21-9	Aroclor 1242	1.16	
1	12672-29-6	Aroclor 1248	0.0526	U
1	11097-69-1	Aroclor 1254	0.0526	U
1	11096-82-5	Aroclor 1260	0.0526	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20797L  
Sample ID: LAB CONTROL SPIKE  
Date Acquired: 12/29/2008 13:26:27 EST

Sample Amount (g) : 9.4970  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-327-13



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Sample Name: AL20797L                      Sample Amount (g) : 9.4970  
Sample ID: LAB CONTROL SPIKE            Dilution: 25  
Date Acquired: 12/29/2008 13:26:27 EST    Extract Volume: 25  
Project Name: PCB\GC20F\_Sep\_2008        Date Processed: 12/30/2008 06:11:08 EST  
Sample Set Name: GC20F\_8082S\_122908      User Name: Kari Lantiegne (KariL)  
Processing Method: GC20F\_8082CC\_120108    Current Date: 12/30/2008  
Run Time: 30.0 Minutes                    Current Time: 06:19:46 US/Eastern  
Report Name: Solid\_ugg\_LIMS\_PQL           LIMS File ID: GC20F-327-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	1999	8.670	86.7	
2	PCB-6	7.47	bV	2085			
3	PCB-7	7.84	bb	2139			
4	PCB-8	8.46	bB	7028			
5	PCB-9	8.66	BB	2943			
6	PCB-10	8.80	Bb	1989			
7	DCBP	24.56	bb	21520	103.029		103

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	16184	372.461	0.98047	0.0526	NR	
2	A1232	14099	657.352	1.73042	0.0526	NR	
3	A1232-8/9	4128	422.217	1.11145	0.0526	NR	
4	A1242	16184	441.570	1.16239	0.0526	X	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name:	<u>Northeast Analytical, Inc.</u>	SDG No:	<u>08120164</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>PBLK-32</u>
Matrix:	<u>SODIUM SULFATE</u>	Client ID:	<u>METHOD BLANK</u>
Sample wt(Dry)/vol:	<u>9.473 g</u>	Lab Sample ID:	<u>AL20805B</u>
Percent Moisture:	<u>0.0</u>	Date Received:	<u></u>
Extraction:	<u>Accelerated Solvent Extraction</u>	Date Extracted:	<u>12/22/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>12/26/2008</u>
Method:	<u>SW-846 8082 (PCB)</u>	Dilution Factor:	<u>1</u>
		Sulfur Cleanup:	<u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M, ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-11

**Column 2 Information:**

GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

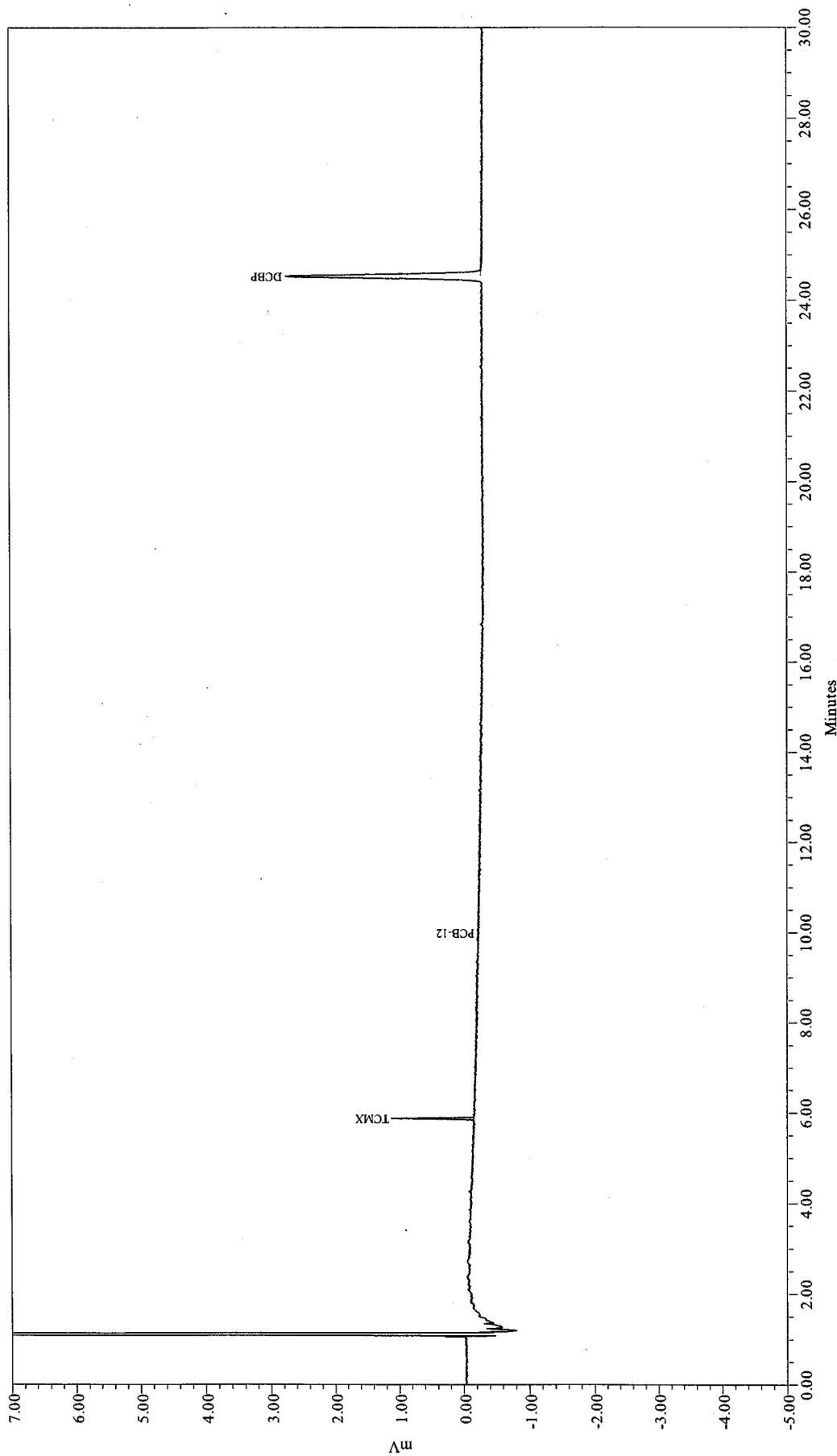
Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.0528	U
1	11104-28-2	Aroclor 1221	0.0528	U
1	11141-16-5	Aroclor 1232	0.0528	U
1	53469-21-9	Aroclor 1242	0.0528	U
1	12672-29-6	Aroclor 1248	0.0528	U
1	11097-69-1	Aroclor 1254	0.0528	U
1	11096-82-5	Aroclor 1260	0.0528	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



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Sample Name: AL20805B  
Sample ID: METHOD BLANK  
Date Acquired: 12/26/2008 16:03:03 EST

Sample Amount (g): 9.4730  
Dilution: 25  
Processing Method: GC20F\_8082CC\_120108  
LIMS File ID: GC20F-326-11



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Sample Name:	AL20805B	Sample Amount (g):	9.4730
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	12/26/2008 16:03:03 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:35:43 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:43:27 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-11

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	1972	8.550	85.5	
2	PCB-12	10.00	bb	3			
3	DCBP	24.53	bb	17603	83.833		83.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1248	3	0.233	0.00061	0.0528	NR	
2	A1248-11/15	3	0.221	0.00058	0.0528	NR	
3	A1248-14/15	3			0.0528	NR	

**1D-1  
PCB ANALYSIS DATA SHEET**

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08120164</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>LCS-32</u>
Matrix: <u>SODIUM SULFATE</u>	Client ID: <u>LAB CONTROL SPIKE</u>
Sample wt(Dry)/vol: <u>9.568 g</u>	Lab Sample ID: <u>AL20805L</u>
Percent Moisture: <u>0.0</u>	Date Received: _____
Extraction: <u>Accelerated Solvent Extraction</u>	Date Extracted: <u>12/22/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>12/26/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

**Column 1 Information:**

GC Column: J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID: 0.25 mm  
 Injection Volume: 1.0 uL  
 Lab File ID: GC20F-326-12

**Column 2 Information:**

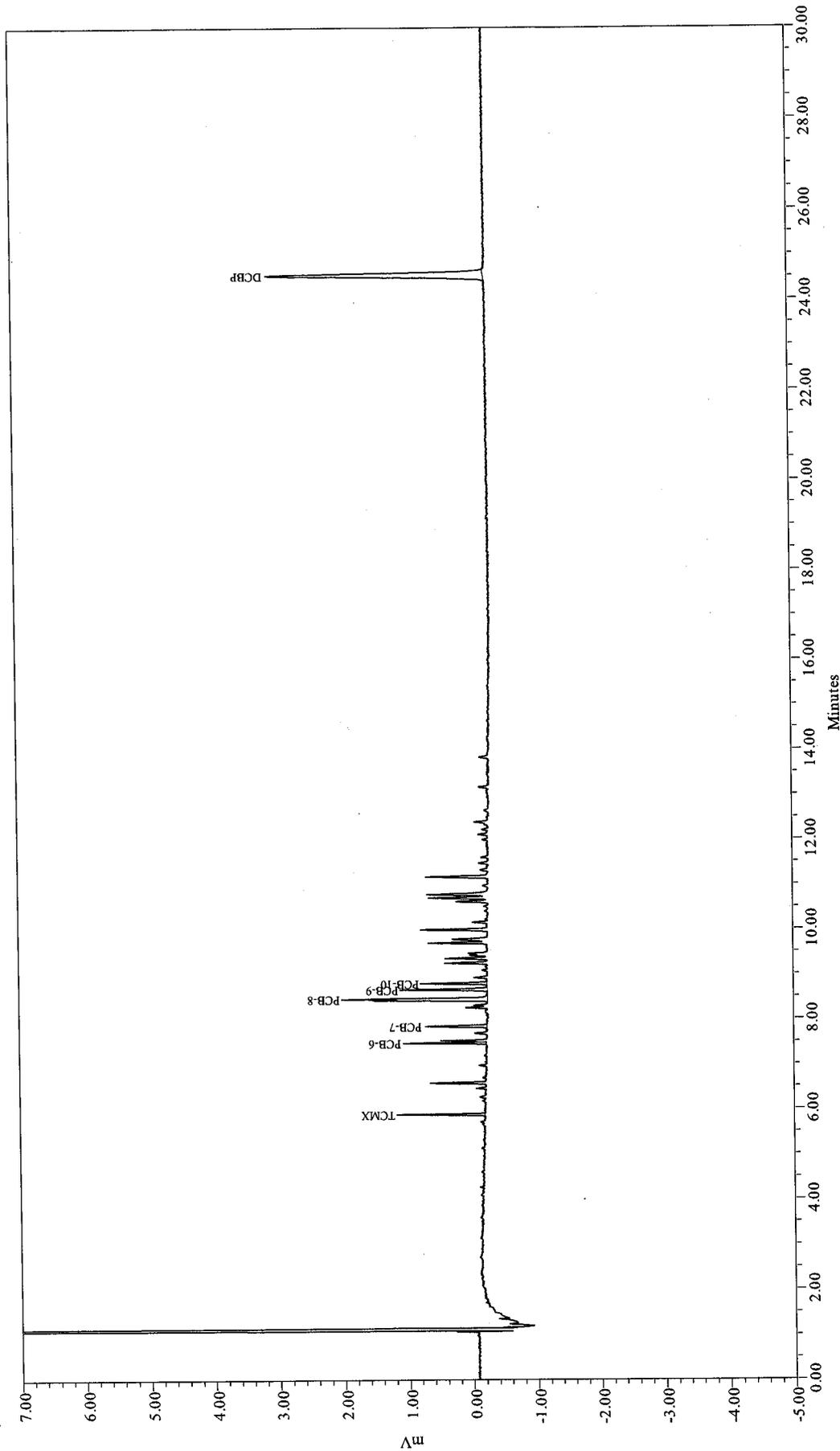
GC Column: NA  
 Injection Volume: NA  
 Lab File ID: NA

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0523	U
1	11104-28-2	Aroclor 1221	0.0523	U
1	11141-16-5	Aroclor 1232	0.0523	U
1	53469-21-9	Aroclor 1242	1.14	
1	12672-29-6	Aroclor 1248	0.0523	U
1	11097-69-1	Aroclor 1254	0.0523	U
1	11096-82-5	Aroclor 1260	0.0523	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

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Sample Name: AL20805L  
Sample ID: LAB CONTROL SPIKE  
Date Acquired: 12/26/2008 16:35:38 EST

Sample Amount (g): 9.5680  
Dilution: 25  
Processing Method: GC20F 8082CC\_120108  
LIMS File ID: GC20F-326-12



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Sample Name:	AL20805L	Sample Amount (g) :	9.5680
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	12/26/2008 16:35:38 EST	Extract Volume:	25
Project Name:	PCB\GC20F_Sep_2008	Date Processed:	12/29/2008 07:36:25 EST
Sample Set Name:	GC20F_8082s_122608	User Name:	Kari Lantiegne (KariL)
Processing Method:	GC20F_8082CC_120108	Current Date:	12/29/2008
Run Time:	30.0 Minutes	Current Time:	10:39:44 US/Eastern
Report Name:	Solid_ugg_LIMS_PQL	LIMS File ID:	GC20F-326-12

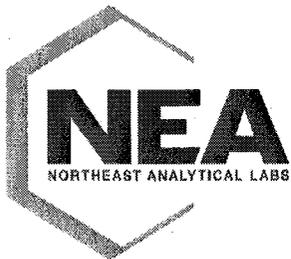
Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.88	bb	2105	9.149	91.5	
2	PCB-6	7.47	bV	2106			
3	PCB-7	7.84	bb	2143			
4	PCB-8	8.46	bB	7108			
5	PCB-9	8.66	BB	2826			
6	PCB-10	8.80	Bb	1874			
7	DCBP	24.54	bb	19365	92.469		92.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount ug/g	PQL ug/g	Report	Note
1	A1016	16057	369.498	0.96545	0.0523	NR	
2	A1232	13951	650.436	1.69951	0.0523	NR	
3	A1232-8/9	4017	410.980	1.07384	0.0523	NR	
4	A1242	16057	438.080	1.14465	0.0523	X	

# Certificates of Analysis



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**12/30/2008**  
**CAMP, DRESSER & MCKEE**  
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**DETROIT, MI 48226**  
**CONTACT: TODD KING**

**CUSTOMER ID:** P2SD-12B-01      **NEA ID:** AL20796      **NEA LRF:** 08120164-01  
**MATRIX:** SEDIMENT      **DATE SAMPLED:** 12/10/2008      **TIME:** 13:30  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

<b>PARAMETER PERFORMED</b>	<b>RESULTS</b>	<b>PQL</b>	<b>UNITS</b>	<b>DATE ANALYZED</b>	<b>FLAGS</b>
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0996	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0996	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0996	ug/g	12/26/2008	U
Aroclor 1242	0.168	0.0996	ug/g	12/26/2008	AD
Aroclor 1248	ND	0.0996	ug/g	12/26/2008	U
Aroclor 1254	ND	0.0996	ug/g	12/26/2008	U
Aroclor 1260	ND	0.0996	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	0.168				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



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**CONTACT: TODD KING**

**CUSTOMER ID:** P2SL-13A-01  
**MATRIX:** SOIL  
**DATE RECEIVED:** 12/18/2008 **TIME:** 10:01  
**SAMPLED BY:** A. SANTINI  
**CUSTOMER PO:** N/A

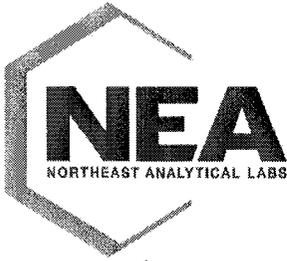
**NEA ID:** AL20797 **NEA LRF:** 08120164-02  
**DATE SAMPLED:** 12/10/2008 **TIME:** 13:35  
**PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**LOCATION:** KALAMAZOO, MI  
**LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	1.15	ug/g	12/29/2008	U
Aroclor 1221	ND	1.15	ug/g	12/29/2008	U
Aroclor 1232	ND	1.15	ug/g	12/29/2008	U
Aroclor 1242	7.01	1.15	ug/g	12/29/2008	AD
Aroclor 1248	ND	1.15	ug/g	12/29/2008	U
Aroclor 1254	11.2	1.15	ug/g	12/29/2008	AF
Aroclor 1260	1.56	1.15	ug/g	12/29/2008	AG
Total PCB Amount > Reporting Limit	19.77				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



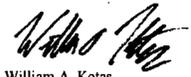
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**DETROIT, MI 48226**  
**CONTACT: TODD KING**

<b>CUSTOMER ID:</b>	P2SL-14A-01	<b>NEA ID:</b>	AL20798	<b>NEA LRF:</b>	08120164-03
<b>MATRIX:</b>	SOIL	<b>DATE SAMPLED:</b>	12/10/2008	<b>TIME:</b>	13:50
<b>DATE RECEIVED:</b>	12/18/2008	<b>TIME:</b>	10:01	<b>PROJECT:</b>	PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b>	A. SANTINI	<b>LOCATION:</b>	KALAMAZOO, MI		
<b>CUSTOMER PO:</b>	N/A	<b>LAB ELAP#:</b>	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.175	ug/g	12/26/2008	U
Aroclor 1221	ND	0.175	ug/g	12/26/2008	U
Aroclor 1232	ND	0.175	ug/g	12/26/2008	U
Aroclor 1242	0.359	0.175	ug/g	12/26/2008	AD
Aroclor 1248	ND	0.175	ug/g	12/26/2008	U
Aroclor 1254	1.18	0.175	ug/g	12/26/2008	AF
Aroclor 1260	0.268	0.175	ug/g	12/26/2008	AG
Total PCB Amount > Reporting Limit	1.807				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

  
William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



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**CONTACT: TODD KING**

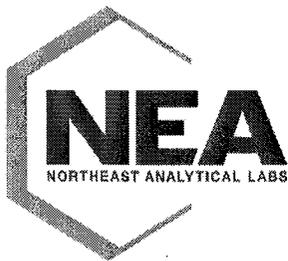
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**MATRIX:** SEDIMENT      **DATE SAMPLED:** 12/10/2008      **TIME:** 13:55  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.119	ug/g	12/26/2008	U
Aroclor 1221	ND	0.119	ug/g	12/26/2008	U
Aroclor 1232	ND	0.119	ug/g	12/26/2008	U
Aroclor 1242	ND	0.119	ug/g	12/26/2008	U
Aroclor 1248	ND	0.119	ug/g	12/26/2008	U
Aroclor 1254	ND	0.119	ug/g	12/26/2008	U
Aroclor 1260	ND	0.119	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



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**12/30/2008**  
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**CONTACT: TODD KING**

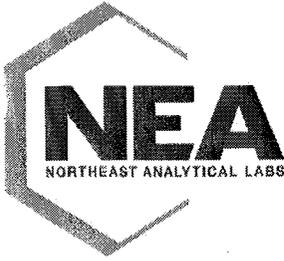
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**MATRIX:** SEDIMENT      **DATE SAMPLED:** 12/10/2008      **TIME:** 13:55  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.109	ug/g	12/26/2008	U
Aroclor 1221	ND	0.109	ug/g	12/26/2008	U
Aroclor 1232	ND	0.109	ug/g	12/26/2008	U
Aroclor 1242	ND	0.109	ug/g	12/26/2008	U
Aroclor 1248	ND	0.109	ug/g	12/26/2008	U
Aroclor 1254	ND	0.109	ug/g	12/26/2008	U
Aroclor 1260	ND	0.109	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

**AUTHORIZED SIGNATURE:**

  
William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



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**12/30/2008**  
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**DETROIT, MI 48226**  
**CONTACT: TODD KING**

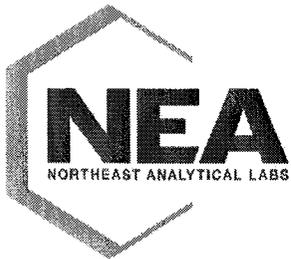
**CUSTOMER ID:** P2SD-15C-01      **NEA ID:** AL20801      **NEA LRF:** 08120164-06  
**MATRIX:** SEDIMENT      **DATE SAMPLED:** 12/10/2008      **TIME:** 13:55  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0982	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0982	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0982	ug/g	12/26/2008	U
Aroclor 1242	ND	0.0982	ug/g	12/26/2008	U
Aroclor 1248	ND	0.0982	ug/g	12/26/2008	U
Aroclor 1254	ND	0.0982	ug/g	12/26/2008	U
Aroclor 1260	ND	0.0982	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

**AUTHORIZED SIGNATURE:**

William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



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**12/30/2008**  
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**DETROIT, MI 48226**  
**CONTACT: TODD KING**

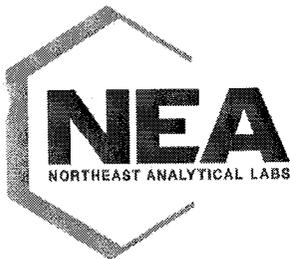
<b>CUSTOMER ID:</b>	P2SD-16A-01	<b>NEA ID:</b>	AL20802	<b>NEA LRF:</b>	08120164-07
<b>MATRIX:</b>	SEDIMENT	<b>DATE SAMPLED:</b>	12/10/2008	<b>TIME:</b>	14:20
<b>DATE RECEIVED:</b>	12/18/2008	<b>TIME:</b>	10:01	<b>PROJECT:</b>	PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b>	A. SANTINI	<b>LOCATION:</b>	KALAMAZOO, MI		
<b>CUSTOMER PO:</b>	N/A	<b>LAB ELAP#:</b>	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0810	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0810	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0810	ug/g	12/26/2008	U
Aroclor 1242	0.0861	0.0810	ug/g	12/26/2008	AD
Aroclor 1248	ND	0.0810	ug/g	12/26/2008	U
Aroclor 1254	0.110	0.0810	ug/g	12/26/2008	AF
Aroclor 1260	ND	0.0810	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	0.1961				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

  
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Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



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**CONTACT: TODD KING**

<b>CUSTOMER ID:</b>	P2SD-17A-01	<b>NEA ID:</b>	AL20803	<b>NEA LRF:</b>	08120164-08
<b>MATRIX:</b>	SEDIMENT	<b>DATE SAMPLED:</b>	12/10/2008	<b>TIME:</b>	14:25
<b>DATE RECEIVED:</b>	12/18/2008	<b>TIME:</b>	10:01	<b>PROJECT:</b>	PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b>	A. SANTINI	<b>LOCATION:</b>	KALAMAZOO, MI		
<b>CUSTOMER PO:</b>	N/A	<b>LAB ELAP#:</b>	11078		

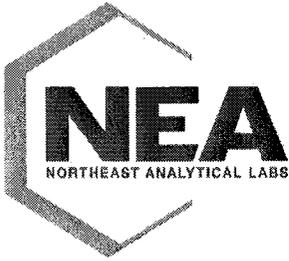
PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0776	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0776	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0776	ug/g	12/26/2008	U
Aroclor 1242	ND	0.0776	ug/g	12/26/2008	U
Aroclor 1248	ND	0.0776	ug/g	12/26/2008	U
Aroclor 1254	ND	0.0776	ug/g	12/26/2008	U
Aroclor 1260	ND	0.0776	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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<b>CUSTOMER ID:</b>	P2SD-17A-03	<b>NEA ID:</b>	AL20804	<b>NEA LRF:</b>	08120164-09
<b>MATRIX:</b>	SEDIMENT	<b>DATE SAMPLED:</b>	12/10/2008	<b>TIME:</b>	14:25
<b>DATE RECEIVED:</b>	12/18/2008	<b>TIME:</b>	10:01	<b>PROJECT:</b>	PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b>	A. SANTINI	<b>LOCATION:</b>	KALAMAZOO, MI		
<b>CUSTOMER PO:</b>	N/A	<b>LAB ELAP#:</b>	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0750	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0750	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0750	ug/g	12/26/2008	U
Aroclor 1242	ND	0.0750	ug/g	12/26/2008	U
Aroclor 1248	ND	0.0750	ug/g	12/26/2008	U
Aroclor 1254	ND	0.0750	ug/g	12/26/2008	U
Aroclor 1260	ND	0.0750	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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**CUSTOMER ID:** P2SL-18A-01      **NEA ID:** AL20805      **NEA LRF:** 08120164-10  
**MATRIX:** SOIL      **DATE SAMPLED:** 12/10/2008      **TIME:** 14:40  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0798	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0798	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0798	ug/g	12/26/2008	U
Aroclor 1242	ND	0.0798	ug/g	12/26/2008	U
Aroclor 1248	ND	0.0798	ug/g	12/26/2008	U
Aroclor 1254	0.323	0.0798	ug/g	12/26/2008	AF
Aroclor 1260	ND	0.0798	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	0.323				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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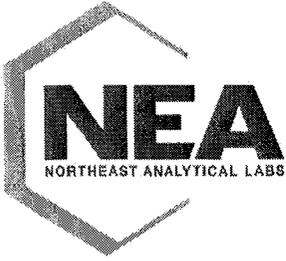
<b>CUSTOMER ID:</b> P2SL-18B-01	<b>NEA ID:</b> AL20806	<b>NEA LRF:</b> 08120164-11
<b>MATRIX:</b> SOIL	<b>DATE SAMPLED:</b> 12/10/2008	<b>TIME:</b> 14:40
<b>DATE RECEIVED:</b> 12/18/2008	<b>TIME:</b> 10:01	<b>PROJECT:</b> PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b> A. SANTINI	<b>LOCATION:</b> KALAMAZOO, MI	
<b>CUSTOMER PO:</b> N/A	<b>LAB ELAP#:</b> 11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0873	ug/g	12/26/2008	U
Aroclor 1221	ND	0.0873	ug/g	12/26/2008	U
Aroclor 1232	ND	0.0873	ug/g	12/26/2008	U
Aroclor 1242	ND	0.0873	ug/g	12/26/2008	U
Aroclor 1248	ND	0.0873	ug/g	12/26/2008	U
Aroclor 1254	ND	0.0873	ug/g	12/26/2008	U
Aroclor 1260	ND	0.0873	ug/g	12/26/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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**CUSTOMER ID:** P2SD-19A-01  
**MATRIX:** SEDIMENT  
**DATE RECEIVED:** 12/18/2008 **TIME:** 10:01  
**SAMPLED BY:** A. SANTINI  
**CUSTOMER PO:** N/A

**NEA ID:** AL20807 **NEA LRF:** 08120164-12  
**DATE SAMPLED:** 12/10/2008 **TIME:** 14:45  
**PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**LOCATION:** KALAMAZOO, MI  
**LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0674	ug/g	12/27/2008	U
Aroclor 1221	ND	0.0674	ug/g	12/27/2008	U
Aroclor 1232	ND	0.0674	ug/g	12/27/2008	U
Aroclor 1242	ND	0.0674	ug/g	12/27/2008	U
Aroclor 1248	ND	0.0674	ug/g	12/27/2008	U
Aroclor 1254	ND	0.0674	ug/g	12/27/2008	U
Aroclor 1260	ND	0.0674	ug/g	12/27/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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**CONTACT: TODD KING**

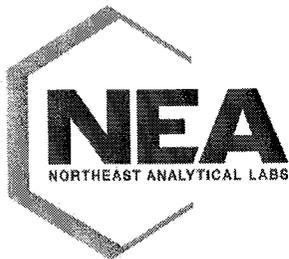
**CUSTOMER ID:** P2SD-20A-01      **NEA ID:** AL20808      **NEA LRF:** 08120164-13  
**MATRIX:** SEDIMENT      **DATE SAMPLED:** 12/10/2008      **TIME:** 15:20  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.103	ug/g	12/27/2008	U
Aroclor 1221	ND	0.103	ug/g	12/27/2008	U
Aroclor 1232	ND	0.103	ug/g	12/27/2008	U
Aroclor 1242	ND	0.103	ug/g	12/27/2008	U
Aroclor 1248	ND	0.103	ug/g	12/27/2008	U
Aroclor 1254	ND	0.103	ug/g	12/27/2008	U
Aroclor 1260	ND	0.103	ug/g	12/27/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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**CONTACT: TODD KING**

<b>CUSTOMER ID:</b> P2SD-21A-01	<b>NEA ID:</b> AL20809	<b>NEA LRF:</b> 08120164-14
<b>MATRIX:</b> SEDIMENT	<b>DATE SAMPLED:</b> 12/10/2008	<b>TIME:</b> 15:30
<b>DATE RECEIVED:</b> 12/18/2008	<b>TIME:</b> 10:01	<b>PROJECT:</b> PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b> A. SANTINI	<b>LOCATION:</b> KALAMAZOO, MI	
<b>CUSTOMER PO:</b> N/A	<b>LAB ELAP#:</b> 11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.108	ug/g	12/27/2008	U
Aroclor 1221	ND	0.108	ug/g	12/27/2008	U
Aroclor 1232	ND	0.108	ug/g	12/27/2008	U
Aroclor 1242	ND	0.108	ug/g	12/27/2008	U
Aroclor 1248	ND	0.108	ug/g	12/27/2008	U
Aroclor 1254	ND	0.108	ug/g	12/27/2008	U
Aroclor 1260	ND	0.108	ug/g	12/27/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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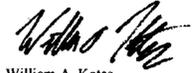
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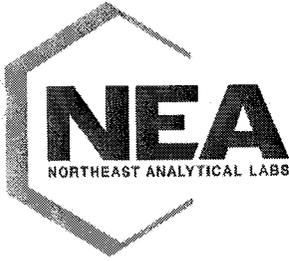
**CUSTOMER ID:** P2SD-22A-01      **NEA ID:** AL20810      **NEA LRF:** 08120164-15  
**MATRIX:** SEDIMENT      **DATE SAMPLED:** 12/10/2008      **TIME:** 15:35  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.0892	ug/g	12/27/2008	U
Aroclor 1221	ND	0.0892	ug/g	12/27/2008	U
Aroclor 1232	ND	0.0892	ug/g	12/27/2008	U
Aroclor 1242	0.134	0.0892	ug/g	12/27/2008	AD
Aroclor 1248	ND	0.0892	ug/g	12/27/2008	U
Aroclor 1254	0.790	0.0892	ug/g	12/27/2008	AF
Aroclor 1260	0.173	0.0892	ug/g	12/27/2008	AG
Total PCB Amount > Reporting Limit	1.097				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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**CUSTOMER ID:** P2SL-23A-01  
**MATRIX:** SOIL  
**DATE RECEIVED:** 12/18/2008 **TIME:** 10:01  
**SAMPLED BY:** A. SANTINI  
**CUSTOMER PO:** N/A

**NEA ID:** AL20811 **NEA LRF:** 08120164-16  
**DATE SAMPLED:** 12/11/2008 **TIME:** 09:30  
**PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**LOCATION:** KALAMAZOO, MI  
**LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	2.32	ug/g	12/27/2008	U
Aroclor 1221	ND	2.32	ug/g	12/27/2008	U
Aroclor 1232	ND	2.32	ug/g	12/27/2008	U
Aroclor 1242	8.33	2.32	ug/g	12/27/2008	AD
Aroclor 1248	ND	2.32	ug/g	12/27/2008	U
Aroclor 1254	13.8	2.32	ug/g	12/27/2008	AF
Aroclor 1260	2.34	2.32	ug/g	12/27/2008	AG
Total PCB Amount > Reporting Limit	24.47				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
 AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

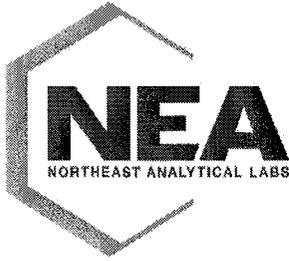
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<b>CUSTOMER ID:</b>	P2SL-23B-01	<b>NEA ID:</b>	AL20812	<b>NEA LRF:</b>	08120164-17
<b>MATRIX:</b>	SOIL	<b>DATE SAMPLED:</b>	12/11/2008	<b>TIME:</b>	09:30
<b>DATE RECEIVED:</b>	12/18/2008	<b>TIME:</b>	10:01	<b>PROJECT:</b>	PLAINWELL DAM #2 INVESTIGATION
<b>SAMPLED BY:</b>	A. SANTINI	<b>LOCATION:</b>	KALAMAZOO, MI		
<b>CUSTOMER PO:</b>	N/A	<b>LAB ELAP#:</b>	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.352	ug/g	12/27/2008	U
Aroclor 1221	ND	0.352	ug/g	12/27/2008	U
Aroclor 1232	ND	0.352	ug/g	12/27/2008	U
Aroclor 1242	1.00	0.352	ug/g	12/27/2008	AD
Aroclor 1248	ND	0.352	ug/g	12/27/2008	U
Aroclor 1254	3.77	0.352	ug/g	12/27/2008	AF
Aroclor 1260	0.807	0.352	ug/g	12/27/2008	AG
Total PCB Amount > Reporting Limit	5.577				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
 AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

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**CUSTOMER ID:** P2SL-23C-01  
**MATRIX:** SOIL  
**DATE RECEIVED:** 12/18/2008 **TIME:** 10:01  
**SAMPLED BY:** A. SANTINI  
**CUSTOMER PO:** N/A

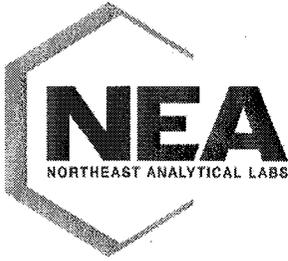
**NEA ID:** AL20813 **NEA LRF:** 08120164-18  
**DATE SAMPLED:** 12/11/2008 **TIME:** 09:30  
**PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**LOCATION:** KALAMAZOO, MI  
**LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.124	ug/g	12/27/2008	U
Aroclor 1221	ND	0.124	ug/g	12/27/2008	U
Aroclor 1232	ND	0.124	ug/g	12/27/2008	U
Aroclor 1242	ND	0.124	ug/g	12/27/2008	U
Aroclor 1248	ND	0.124	ug/g	12/27/2008	U
Aroclor 1254	ND	0.124	ug/g	12/27/2008	U
Aroclor 1260	ND	0.124	ug/g	12/27/2008	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



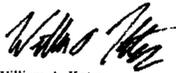
**CERTIFICATE OF ANALYSIS**  
**12/30/2008**  
**CAMP, DRESSER & MCKEE**  
**ONE WOODWARD AVE., SUITE 1500**  
**DETROIT, MI 48226**  
**CONTACT: TODD KING**

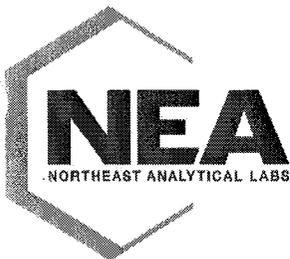
**CUSTOMER ID:** P2SL-24A-01      **NEA ID:** AL20814      **NEA LRF:** 08120164-19  
**MATRIX:** SOIL      **DATE SAMPLED:** 12/11/2008      **TIME:** 09:35  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	2.61	ug/g	12/27/2008	U
Aroclor 1221	ND	2.61	ug/g	12/27/2008	U
Aroclor 1232	ND	2.61	ug/g	12/27/2008	U
Aroclor 1242	7.88	2.61	ug/g	12/27/2008	AD
Aroclor 1248	ND	2.61	ug/g	12/27/2008	U
Aroclor 1254	15.4	2.61	ug/g	12/27/2008	AF
Aroclor 1260	ND	2.61	ug/g	12/27/2008	U
Total PCB Amount > Reporting Limit	23.28				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

  
William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director



**CERTIFICATE OF ANALYSIS**  
**12/30/2008**  
**CAMP, DRESSER & MCKEE**  
**ONE WOODWARD AVE., SUITE 1500**  
**DETROIT, MI 48226**  
**CONTACT: TODD KING**

**CUSTOMER ID:** P2SL-25A-01      **NEA ID:** AL20815      **NEA LRF:** 08120164-20  
**MATRIX:** SOIL      **DATE SAMPLED:** 12/11/2008      **TIME:** 09:40  
**DATE RECEIVED:** 12/18/2008      **TIME:** 10:01      **PROJECT:** PLAINWELL DAM #2 INVESTIGATION  
**SAMPLED BY:** A. SANTINI      **LOCATION:** KALAMAZOO, MI  
**CUSTOMER PO:** N/A      **LAB ELAP#:** 11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
<b>SW-846 8082 (PCB)</b>					
Aroclor 1016	ND	0.105	ug/g	12/27/2008	U
Aroclor 1221	ND	0.105	ug/g	12/27/2008	U
Aroclor 1232	ND	0.105	ug/g	12/27/2008	U
Aroclor 1242	ND	0.105	ug/g	12/27/2008	U
Aroclor 1248	ND	0.105	ug/g	12/27/2008	U
Aroclor 1254	0.108	0.105	ug/g	12/27/2008	AF
Aroclor 1260	ND	0.105	ug/g	12/27/2008	U
Total PCB Amount > Reporting Limit	0.108				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.  
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.  
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**AUTHORIZED SIGNATURE:**

  
William A. Kotas  
Sr. Laboratory Representative  
Robert E. Wagner  
Laboratory Director

